



Rowan College
at
BURLINGTON COUNTY

COLLEGE CATALOG

FALL 2021 THROUGH SUMMER 2022



3+1= More 4 You!

3+1 IS A PROGRAM THAT MAKES GETTING YOUR BACHELOR'S DEGREE EVEN EASIER BY STAYING AT RCBC FOR ONE MORE YEAR.

Students who enroll in the 3+1 program will be able to complete their freshman, sophomore and junior year courses with Rowan College at Burlington County (RCBC) at the community college cost and their senior year courses with Rowan University at Rowan University's tuition cost. RCBC graduates enrolling in the 3+1 program will receive a 15% discount off of the prevailing on-campus Rowan University tuition and fees for classes offered online and in Mount Laurel.

Available 3+1 Majors:

- BA in Applied Professional Communications
- BA/BS in Biological Sciences
- BS in Business Administration: Global Business and Leadership
- BA in Computing & Informatics
- BA in Inclusive Education (*Elementary Track*)
- BA in Law and Justice Studies
- BA in Liberal Studies (*concentration in Philosophy and Law and Justice*)
- BS in Nursing
- BA in Psychology

To enroll in the 3+1 program, please follow the steps below (rcbc.edu/rowan/how-to-enroll):

1. Apply to Rowan College at Burlington County (RCBC). Make sure you send all college and high school transcripts to RCBC, fill out the free online application at rcbc.edu/apply, and declare a major.
2. See academic advising, rcbc.edu/advising, to discuss associate degree options and the courses for years 1 and 2. You can also reference the major maps to assist in selecting courses: rcbc.edu/rowan/3plus1.
3. Before graduating from RCBC, fill out the 3+1 application in your Self-Service account at rcbc.edu/BaronOne. The earlier the better!
Please note, nursing students cannot fill out the 3+1 application until they are accepted to the RCBC nursing major (AAS.Nursing).
4. Your application will be reviewed. If approved, the Rowan Relations Office will provide you with a list of courses to complete your junior year at RCBC. Students must have a 2.0 to continue on to junior year. *Please note, Inclusive Education majors need to have a 3.0 GPA.*
5. Sign and submit the 3+1 student contract provided by the Rowan Relations Office to begin your junior year. The Rowan Relations Office will declare AAS/AS Advanced and Continuous Studies as your RCBC major.
6. Before the senior year, RCBC will send your information from the 3+1 application to Rowan University along with your RCBC transcript to assist in setting up your Rowan University account. If you have transcripts from another school, please provide Rowan University with an official copy, even if you already provide RCBC with a copy.
7. To continue on to Rowan University for the senior year, students must have a 2.0 GPA, completed an associate degree, sign the enrollment confirmation form, and completed all the recommended courses by the Rowan Relations Office.
Please note, Inclusive Education majors need to have a 3.0 GPA and Business majors need a 2.5 GPA. Both majors need to meet all requirements of their program before transferring to Rowan University. Students will register for senior year courses through Rowan University and pay their tuition to Rowan University's Bursar's Office.

For more information,
please visit: rcbc.edu/3plus1



Rowan College
at
BURLINGTON COUNTY



Rowan College at BURLINGTON COUNTY

**900 College Circle
Mount Laurel, New Jersey 08054
(856) 222-9311
rcbc.edu**

A public community college accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104. (267-284-5000) www.msche.org and approved by the State of New Jersey. The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

The college is approved under Title 38, U.S. Code, for veterans' education.

Rowan College at Burlington County (RCBC) is a designated Servicemembers Opportunity College.

The statements, provisions, policies and fees listed in this catalog are not to be regarded as binding between the student and Rowan College at Burlington County. The college reserves all rights to change at any time any of the provisions, programs, courses, schedules, tuitions or fees as may be warranted by economic considerations, enrollments, and/or other circumstances requiring such administrative action.

Each student is held individually responsible for knowledge of the information contained in this catalog. Failure to read and comply with college guidelines, requirements and regulations will not exempt the student from responsibility.

CATALOG FALL 2021 - SUMMER 2022

Rowan College at Burlington County transforms lives by delivering innovative, high-quality and affordable educational experiences in an accessible and diverse environment.

2021-2022 Academic Calendar

FALL 2021

Early Registration without Service Fee Begins.....	April 15
Registration with Service Fee Begins.....	July 9
Day & Evening Classes Begin.....	September 1
Holiday – No Classes.....	September 4 – 6
Holiday, Labor Day – College Closed**	September 6
Classes Resume.....	September 7
Last Day to Add	September 8
Last Day to Drop	September 15
Holiday – No Classes.....	November 24 – 26
Holiday – College Closed**	November 25 – 26
Classes Resume.....	November 27
Exam Week.....	December 14 – 20
Holidays – College Closed**	December 24 – January 1

SPRING 2022* – TENTATIVE

Early Registration without Service Fee Begins.....	October 15
Registration with Service Fee Begins.....	November 15
Spring Intersession.....	January 3 – 13
Holiday – College Closed**	January 17
Day & Evening Classes Begin.....	January 14
Last day to Add	January 21
Last day to Drop.....	January 28
Spring Break (<i>no classes, college open with full services on weekdays</i>).....	March 5 – 11
Classes Resume.....	March 12
Holiday – College Closed**	April 15
Holiday – No Classes.....	April 15 – 17
Exam Week.....	May 3 – 9
Health Sciences Commencement Ceremony – TENTATIVE.....	May 12
Commencement Ceremony – TENTATIVE.....	May 13

SUMMER 2022***

Early Registration without Service Fee Begins.....	November 15
Summer Classes Begin – TENTATIVE	May 17
Holiday, Memorial Day – College Closed**	May 31
Holiday, Independence Day – College Closed**	July 4
Last Day of Summer Classes – TENTATIVE.....	August 25

After payment due date, payment arrangements or full payment must be completed within seven (7) calendar days from the day of registration.

* Rowan College at Burlington County also offers classes and semesters in various term lengths, the above dates reference only the traditional 15-week semester. Visit Academic Calendar (rcbc.edu/academic-calendar) for specific term deadlines and information.

** Online services available.

*** See Academic Calendar online (rcbc.edu/academic-calendar) for exact summer semester/term deadlines and information.

Calendars are subject to change without notice.

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The College at a Glance

What does RCBC offer?

Extensive academic programs and support services are available to Rowan College at Burlington County students. Among the academic programs for 2021-2022 are the following:

Transfer options — Associate of Arts (A.A.) and Associate of Science (A.S.) degrees. Designed for transfer to a four-year institution.

Career programs — Associate of Applied Science (A.A.S.) degree. Designed for immediate employment of the student upon graduation. In some cases the student may transfer to a four-year institution.

Certificate programs — Career-oriented programs of study. For other non-credit and Community Enrichment programs visit the college website at rcbc.edu.

What does it cost to attend RCBC?

Tuition and fees for Burlington County residents are exceptionally affordable. For current tuition details please see page 16.

Is financial aid available?

Yes. RCBC students may take advantage of a wide range of state and federal aid programs, as well as locally-sponsored scholarships. Most aid programs are need-based, while some are based on academic achievement and/or potential.

Can Veteran education benefits be used at RCBC?

Veteran educational benefits are approved for use in any of the credit programs. See page 31 for further details.

What are RCBC’s admission requirements?

Rowan College at Burlington County is an open-admission institution. Anyone who feels he/she/they can benefit from a college education may enroll at RCBC. For further details, including information on the enrollment of non-high school graduates, see page 11.

The CEEB college code for
Rowan College at Burlington County is 2180.



Rowan College
at
BURLINGTON COUNTY

Rowan College at Burlington County does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or veteran status.

Visit rcbc.edu/hr for more details.

Areas of Interest and Corresponding Academic Majors

Below you will find a listing of areas of interest and the major(s) that would fulfill your needs. To learn more about the major(s), turn to the page listed.

Accounting	Accounting	AS.ACC	59	Criminal Justice	Criminal Justice	AS.CRJ	87
	Accounting	CRT.ACC	60	Culinary	Cooking & Baking	SPC.FCB	86
Advanced and Continuous Studies	Advanced and Continuous Studies	AAS.ADC	63		Culinary Technology	AAS.CLT	88
	Advanced and Continuous Studies	AS.ADC	62	Cybersecurity	Cybersecurity	AAS.IAC	89
Advertising Graphics	Graphic Design and Digital Media	AAS.GDD	105	Dental Hygiene	Dental Hygiene	AAS.DHY	90
Air Pollution	Environmental Science	AS.ENV	98	Diagnostic Medical Sonography	Diagnostic Med. Sonography	AAS.DMS	91
American Sign Lang.	American Sign Language	AS.ASL/DEA	64	Education	Education (Science)	AS.EDU	92
Art	Art	AA.ART	66		Liberal Arts	AA.LIB	113
	Art	AFA.ART	67	Electronics	Electrical Engineering Tech.	AAS.EET	93
	Graphic Design and Digital Media	AAS.GDD	105	Engineering	Applied Technology Mgmt.	AAS.ATM	65
Biochemistry	Biology	AS.BIO	68		Chemical Engineering	AS.CGR	75
Biology	Biology	AS.BIO	68		Electrical Engineering Tech.	AAS.EET	93
	Biotechnology	AS.BIT	69		Engineering	AS.EGR	94
Business	Business Administration	AS.BUS	70	English	English	AA.ENG	95
	Business Management Tech.	AAS.BMT	71		Communication Arts	AA.COM	78
	Business Technology	SPC.BTC	72	Entertainment Technologies	Sound & Recording Engineering	AAS.ETS	96
	Hospitality & Tourism Mgmt.	AS.HOS	110		Video & Digital Media Prod.	AAS.ETV	97
	Hospitality	CRT.HOS	111	Environment	Biology	AS.BIO	68
	Small Business	CRT.BUS	132		Environmental Science	AS.ENV	98
Business Software	Computer Info. Systems	AS.INF	81	Exercise Science	Exercise Science Health and Wellness Promotion	AS.HWP	99
	Computer Management Information Systems	AAS.MIS	82	Fashion	Fashion Design	AAS.FAD	100
Chemical Technology	Chemistry	AS.CHE	76		Fashion Design	SPC.FDC	101
Chemistry	Chemical Engineering	AS.CGR	75		Fashion Product Merch.	AS.FPM	102
	Chemistry	AS.CHE	76	Finance	Business Administration	AS.BUS	70
Civil Engineering	Construction Mgmt.	AS.CON	85		Business Management Tech.	AAS.BMT	71
Communications	Communication Arts	AA.COM	78	Fine Arts	Art	AA.ART	66
Computers	Computer Engineering Technology	AAS.ECT	80		Art	AFA.ART	67
	Computer Info. Systems	AS.INF	81		Music	AS.MUS	120
	Computer Management Information Systems	AAS.MIS	82		Photography	AFA.PHO	126
	Computer Networking Support/Serviceing	SPC.EET	83	Fire Fighting	Photography	CRT.PHO	127
	Computer Science	AS.CSE	84		Theatre	AA.THR	135
	Cybersecurity	AAS.IAC	89		Fire Investigation	SPC.FSI	103
	Graphic Design and Digital Media	AAS.GDD	105		Fire Science	SPC.FSC	104
Construction	Construction Mgmt.	AS.CON	85	Food	Cooking & Baking	SPC.FCB	86
					Culinary Technology	AAS.CLT	88
				Graphic Arts/Design	Graphic Design and Digital Media	AAS.GDD	105

Hazardous Waste	Environmental Science	AS.ENV	98	Philosophy	Philosophy	AA.PHI	125		
Health Professions	Addictions Counseling	SPC.HSA	61	Photography	Photography	AFA.PHO	126		
	Cancer Registry Mgmt.	AAS.MCR	73		Photography	CRT.PHO	127		
	Cancer Registry Mgmt.	SPC.MCR	74	Physical Education	Exercise Science Health and Wellness Promotion	AS.HWP	99		
	Coding	SPC.ACO	77			Liberal Arts & Sciences	AS.LSC	114	
	Computed Tomography Cert.	SPC.CTC	79			Physics	Physics	AS.PHY	128
	Dental Hygiene	AAS.DHY	90	Police Science	Criminal Justice	AS.CRJ	87		
	Diagnostic Med. Sonography	AAS.DMS	91	Political Science	Political Science	AA.POL	129		
	Exercise Science Health and Wellness Promotion	AS.HWP	99	Pre-Med, Pre-Vet	Biology	AS.BIO	68		
	Health Information Technology	AAS.HIT	106	Pre-Physical Therapy	Liberal Arts & Sciences	AS.LSC	114		
	Health Science	AS.HSC	107		Biology	AS.BIO	68		
	Health Sciences	AAS.HSC	108	Psychology	Liberal Arts & Sciences	AS.LSC	114		
	Human Services	AAS.HMS	112		Liberal Arts	AA.LIB	113		
	Magnetic Resonance Imaging	SPC.MRP	116	Radiography	Psychology	AA.PSY	130		
	Med. Billing Specialist Cert.	SPC.MBS	119		Computed Tomography Cert.	SPC.CTC	79		
	Nursing	AAS.NUR	121	Social Services	Radiography	AAS.RAD	131		
	Paramedic Science	AAS.PAR	123		Human Services	AAS.HMS	112		
	Paramedic Science Cert.	CRT.PAR	124	Social Sciences	Liberal Arts	AA.LIB	113		
	Radiography	AAS.RAD	131		Sociology	AA.SOC	133		
	History	History	AA.HIS		109	Human Services	AAS.HMS	112	
				Liberal Arts		AA.LIB	113		
Hotel Management	Hospitality & Tourism Mgmt.	AS.HOS	110	Sociology	Sociology	AA.SOC	133		
				CRT.HOS	111	Sonography	Diagnostic Med. Sonography	AAS.DMS	91
Language Arts	English	AA.ENG	95	Structural Design	Engineering	AS.EGR	94		
				Liberal Arts	AA.LIB	113	Teacher	Education (Science)	AS.EDU
Law/Legal Fields	Criminal Justice	AS.CRJ	87	Technical Studies	Technical Studies	AAS.TES	134		
				Paralegal	AAS.LEX	122	Theater	Theater	AA.THR
Liberal Arts	Liberal Arts	AA.LIB	113	Tourism	Hospitality & Tourism Mgmt.	AS.HOS	110		
						Liberal Arts & Sciences	AS.LSC	114	Hospitality
				Liberal Arts & Sciences	CRT.LSC	115	Visual Arts	Art	AA.ART
Management	Business Administration	AS.BUS	70	Water/Wastewater Treatment	Art	AFA.ART	67		
					Business Management Tech.	AAS.BMT	71	Chemistry	AS.CHE
Marketing	Hospitality & Tourism Mgmt.	AS.HOS	110						
Marketing	Business Administration	AS.BUS	70						
Mathematics	Mathematics	AS.MTH	117						
Music	Music	AS.MUS	120						
Nursing	Nursing	AAS.NUR	121						
Office Administration	Business Administration	AS.BUS	70						
Paralegal	Paralegal	AAS.LEX	122						
Paramedic	Paramedic Science	AAS.PAR	123						
				Paramedic Science Cert.	CRT.PAR	124			
Pharmacy/ Pharmaceutical	Liberal Arts & Sciences	AS.LSC	114						
				Chemistry	AS.CHE	76			

Information in this catalog is valid at time of printing.

College Phone Number/Department Extensions

(856) 222-9311

Mount Holly Campus (609) 267-5618
 Willingboro Campus (609) 877-4520

<i>In reference to</i>	<i>Contact</i>	<i>Extension</i>	<i>In reference to</i>	<i>Contact</i>	<i>Extension</i>
Absence from classes	Course Professor		Name Change	Office of the Registrar	1560
Academic Advising	Academic Advising	1461	Non-Credit Courses	Workforce Development Institute	2537
Accidents (<i>on campus</i>)	Public Safety, Mount Laurel	2100	Parking Sticker	Public Safety, Mount Laurel	2100
Adding a Course	Office of the Registrar	1560	Parking Ticket Fines	Conduct on Campus	rcbc.edu/conduct
Address Change	Office of the Registrar	1560	Racial/Ethnic Harassment	Affirmative Action Officer	1523
Admissions	Office of Outreach and Admission	1199	Rentals, College Facilities	Rentals	1314
BaronOne Account	Student Help Desk	1388	Scholarships	Foundation	2540
Billing/Refunds	Office of Student Accounts.....	1285	Services for Students with Disabilities	Student Support Services	1208
Career Counseling	Career Services Center.....	1034	Sexual Harassment	Public Safety Department.....	2100
Changing a Course	Office of the Registrar	1560	Student Support Services	Student Support Services	1208
Chargeback Certificates	Office of the Registrar	1560	Student Email	Student Help Desk	1388
Clubs (<i>starting a club, faculty advisors</i>)	Student Life.....	1238	Student Government	Student Government.....	1443
Counseling	Student Support Services	1582	Student Help Desk	Student Help Desk	1388
Curriculum Change	Office of the Registrar	1560	Testing	Testing Center.....	1661
Customized Training	Workforce Development.....	2520	Theft, Stolen Property	Public Safety, Mount Laurel	2100
Degree Inquiries	Office of the Registrar	1560	Transcripts	Office of the Registrar	1560
Distance Education	Distance Education	1790	Transferring to Another College	Advising	2737
Dropping a Course	Office of the Registrar	1560	Transferring of Credits	Office of the Registrar	1560
Educational Opportunity Fund	EOF Director.....	1462	Tutors	Learning Center	2096
Financial Aid	Financial Aid.....	1575	Veterans' Information	Military Ed	1299
GED/ABE	Educational Service	3016	Volunteering	Volunteer Center.....	1492
Graduation	Office of the Registrar	1560	Withdrawal from College	Office of the Registrar	1560
Graduation Ceremony	Student Success.....	1596	Withdrawal from Course	Office of the Registrar	1560
Illness (<i>on campus</i>)	Public Safety, Mount Laurel	2100	Work-Study Jobs	Career Services.....	1034
Job Opportunities	Career Services.....	1034			
Learning Is For Everyone	LIFE.....	1498			
Military Education	Joint Base MDL.....	4702			
Matriculation	Office of the Registrar	1560			

Terms to Know

When reading this catalog, it will be helpful to familiarize yourself with the following terms and phrases.

Accreditation - Regional agencies regularly send teams to college campuses to analyze academic programs, faculty quality, facilities, etc. Without accreditation, the degrees and credits offered by a college or university may be subject to skepticism from other institutions and may not transfer to accredited schools.

Affirmative Action – Institutional efforts toward equal employment and educational opportunities for all segments of the population.

Apply – Submitting an application to the college. This would be for new students and returning students to build a record in Rowan College at Burlington County database system.

Assessment Test – As identified by the State of New Jersey, skills are assessed in reading, writing and mathematics. All incoming degree-seeking students or students registering for eight or more credits are required to take assessment tests designed to demonstrate strengths and weaknesses.

Associate Degree – The degree typically awarded by community and junior colleges following the completion of a two-year program of study. RCBC offers four such degrees in a variety of career and transfer fields.

Audit – The process by which a student may register for a course on a no-grade basis.

Auditor – A person taking a course on a no-grade basis.

Bachelor's/Baccalaureate Degrees – The degree typically awarded by a college or university for successful completion of a four-year program of study. Although RCBC does not offer the bachelor's degree, it does offer a variety of two-year parallel programs that will transfer into the third year of a baccalaureate degree program. Several four-year colleges offer bachelor's degree at RCBC locations.

Commencement – Graduation ceremonies.

Corequisite – A course that you are required to take while enrolled in another, related course.

Course Number – The three-letter and three-digit designation that appears before each course name. The designation will indicate the curriculum area and level of each course.

Credit Hour – Each credit hour is a unit of time, usually 50-60 minutes, that a class will meet each week during a given semester.

Curriculum – A set of courses designed to lead to a goal, such as a degree or certificate.

Dean's List – A listing of students who have demonstrated significant academic achievements during a given semester.

Degree Audit – See Program Evaluation.

Degree Requirements – A list of the exact courses, subject areas, requirements and credit hours that a student must successfully complete to obtain a specific degree.

Drop – The process of adjusting a student's schedule by dropping courses after initial registration. The deadline for dropping a course is based on the semester/term of that course. Students can drop courses on Self-Service or in-person up until the established deadline.

Electives – Courses in which the student may enroll dependent upon interests, needs and specified criteria. Generally a student may choose from among a large list of elective courses.

Freshman – A student who has earned no more than 28 credits.

General Education Requirements – Courses which provide all degree students with broad knowledge in a variety of disciplines (i.e. math, science, English, etc.)

Grade Point Average – Also known as GPA, calculation to determine a student's academic progress and status. To determine the GPA, the student should divide the total number of credits attempted by the total numerical value of grades received.

Hybrid – A course that meets both on-campus and online at a scheduled time. Usually, classes meet one day a week in a classroom and the other online.

Independent Study – Independent study involves a student's work on course-related materials outside of regular classroom hours.

Internship – Available in selected course areas, the internship provides planned, practical on-the-job experience, in addition to regular classroom work.

Major – The subject area in which the student chooses to concentrate his/her/their academic work.

Matriculation – To enroll in a college or university as a candidate for a degree or certificate.

Navigate – An individualized interactive planning tool that displays a student's next steps towards program completion.

Practicum – See internship.

Prerequisite – A course or courses a student must successfully complete before being allowed to register for a more advanced course in the same or related subject area.

Program Evaluation – An individualized review of coursework (planned, in-progress, registered and completed) that displays a student's movement toward degree/certificate completion.

Register – When a student signs up for classes in a particular semester or term.

Semester – A 15-week period during which a student will complete a particular course or courses.

Semester Hour – See credit hour.

Sophomore – A student who has completed 29 or more credits successfully.

Term – A concentrated period during which a student will complete a particular course or courses.

Transcript – The official record of a student's academic performance.

Tuition – Charges for each registered course for which a student registers.

Withdrawal – A process that is available after the specified Add/Drop period for students who are unable, or, no longer wish to complete a course for which they are officially registered. Withdrawing from a class will result in a "W" grade on the official college transcript.

General Information

Rowan College at Burlington County Board of Trustees 2021

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Rowan College at Burlington County is a Member of the Following Educational Advancement Organizations:

Accreditation Commission for Education
in Nursing (ACEN)

African American Chamber of Commerce
of New Jersey

The American Association of Collegiate
Registrars and Admissions Officers

The American Association of
Community Colleges (AACC)

The American Health Information
Management Association (AHIMA)

The Association of Community College
Trustees (ACCT)

Association of New Jersey Holocaust
Organizations

Association of Physical Plant
Administrators (APPA)

Association of Technology, Management,
and Applied Engineering (ATMAE)

Burlington County Coalition
for Healthy Communities (BCCHC)

Burlington County Regional
Chamber of Commerce

Center for Agile Partnerships in
Education (CAPE)

Chamber of Commerce
of Southern New Jersey

Commission on Accreditation of Allied
Health Education Programs (CAAHEP)

Consortium for Community
College Development

Consortium for Student Retention
Data Exchange

Council of Holocaust Educators

Engineering Technology Accreditation
Commission of ABET

Health Information Management
Systems Society (HIMSS)

Instructional Technology Council (ITC)

Joint Review Committee of Education in
Radiologic Technology

Mathematics Association of Two-Year
Colleges of New Jersey (MATYCNJ)

Middle States Association
of Colleges and Schools

Mid Atlantic Regional Commission
for Higher Education (MARCHE)

National Association for
Research and Planning

National Association of College
Admissions Counselors (NACAC)

National Association of College and
University Business Officers (NACUBO)

National Association of Colleges
and Employers (NACE)

National Council for Instructional
Administrators (NCIA)

National Council for Marketing and
Public Relations (NCMPR)

National Council for Staff, Program
and Organizational Development

National League for Nursing (NLN)

New Jersey Association of Mathematics
Teacher Educators (NJAMTE)

New Jersey Association of Physical Plant
Administrators (NJAPPA)

New Jersey Business and Industry
Association (NJBIA)

New Jersey Council of Associate Degree
Nursing Programs (NJCADNP)

New Jersey Council of County Colleges
(NJCCC)

New Jersey DEP - Bureau of X-Ray
Compliance, Radiologic Technology
Board of Examiners

New Jersey Library Association (NJLA)

New Jersey Marine Sciences Consortium

New Jersey Presidents' Council

North American Board of Certified
Energy Practitioners (NABCEP)

Organization for Associate Degree
Nursing (OADN)

The Quality Matters Program (QM)

United States Distance Learning
Association (USDLA)

Virtual Academic Library Environment
of New Jersey (VALE)

Character of the College

In their praise of the college, students and graduates consistently point to the excellent learning environment. The unique Rowan College at Burlington County (RCBC) learning experience encompasses caring faculty and staff who want our students to succeed in the classroom, in their careers, and in their other personal endeavors.

As an open door institution, RCBC is dedicated to the development and maintenance of strong academic programs for people of all ages and abilities.

A variety of learning situations, including classroom, lecture hall, laboratory, independent study, and distance education, provide students with the utmost in flexibility. Classes are available weekdays, evenings, and weekends.

RCBC offers academic advising, free tutoring, financial aid opportunities, and other support services to enable students to reach their educational and career goals.

Another aspect of the RCBC environment is our student body.

The average age of the student body is approximately 24 years, and many classes benefit from a healthy exchange of ideas between students ranging from recent high school graduates to senior adults.

Philosophy

RCBC was founded by citizens who believed that learning is a lifelong activity and that every person should have the opportunity to pursue education. RCBC staff believes that education and attention to the past, present, and future enables individuals to better understand themselves and actively shape their own future. The accumulated knowledge and wisdom can improve the quality of life for individuals and benefit society as a whole.

Historical Perspective

The college opened on Sept. 2, 1969 in temporary facilities at Lenape High School in Medford, with 728 full-time and 323 part-time students. In 1971, the college moved into the Physical Education Center and the Parker Center on the Pemberton campus. In June of 1972, the Middle States Association of Colleges and Schools accredited Rowan College at Burlington County.

To accommodate the modern needs of the workforce, the college has consistently expanded its program offerings as well as the number of RCBC locations throughout Burlington County. RCBC opened the doors to the Mount Laurel campus in 2006 and now also offers classes in the Willingboro Campus, Mount Holly Campus, Culinary Arts Center and at the Joint Base McGuire-Dix-Lakehurst (MDL). Online education has also expanded and RCBC now offers 14 associate degrees and 4 certificates 100% online.

New programs are added to the college curriculum each year to expand the selection of majors. In addition to the new academic programs, the college offers an array of non-credit classes, customized training and professional certifications through RCBC's Workforce Development Institute.

In keeping pace with the ever-changing technology, RCBC maintains more than 950 computer lab stations, teleconference rooms, online education and free WiFi access. The RCBC library maintains extensive online holdings in addition to the physical collection and is partnered with the Burlington County Library System. Every credit course section has access to a state-of-the-art online course environment.

In 2015, the college was renamed Rowan College at Burlington County under a historic partnership with Rowan University that created seamless paths to affordable degrees, including onsite programs. All Rowan College at Burlington County students are conditionally accepted to the Rowan University upon completion of their associate degree. The 3+1 Program allows students to complete their bachelor's degree for less than what most universities charge for a single year.

Mission

Rowan College at Burlington County transforms lives by delivering innovative, high-quality and affordable educational experiences in an accessible and diverse environment.

The college's strategic plan, which includes institutional priorities and goals, can be found at rcbc.edu/strategic-plan.

Confidentiality of Student Records

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

(1) The right to inspect and review the student's education records within 45 days of the day the college receives a request for access.

Students should submit to the Registrar or other appropriate official, written requests that identify the record(s) they wish to inspect. The Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. Records will be inspected under the supervision of an appropriate college employee. If the records are not maintained by the college official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

(2) The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the college to amend a record that they believe is inaccurate or misleading. The written request must clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and advise the student of his/her/their right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

(3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the college in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the college has contracted (such as an attorney, auditor, consultant, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his/her/their tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his/her/their professional responsibility. Rowan College at Burlington County may also share with partner colleges and universities the educational records of any students who indicate an intent to enroll in those institutions.

(4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by Rowan College at Burlington County to comply with the requirements of FERPA. The name and address of the Office that administers FERPA are:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, D.C. 20202

A copy of the RCBC policy and a copy of the FERPA regulations are on file in the offices of the Registrar and the Vice President of Student Success.

Public Notice Designating Directory Information:

RCBC hereby designates the following student information as public or directory information. Such information may be disclosed by the institution for any purpose, at its discretion: Name, mailing address, email address, place of birth, photographs, grade level, dates of attendance, enrollment status, most recent educational institution attended, major field of study, awards, honors and degrees received, height and weight of athletic team members and participation in officially recognized activities and sports.

Students may withhold permission to disclose this information under the Family Educational Rights and Privacy Act of 1974, as amended (FERPA), by completing the Non-Disclosure form on the college's website and submitting it to the Registrar's Office. Such notification shall become effective as of the date on which it is received in the Registrar's Office and will remain in effect for the remainder of the academic year.

Admission

Rowan College at Burlington County has an Open Enrollment Policy.

RCBC's academic, professional and cultural opportunities are accessible without regard to race, color, national origin, sex or handicap.

You may begin your studies at RCBC if:

- you have a high school diploma or
- you have an equivalency (GED) certificate or
- you are a high school or home-schooled student with permission or
- you are a non high school graduate with ability to benefit from a post-secondary education.

Applying to the College

1. Submit an online application for admission at rcbc.edu/apply; there is no application fee for admissions.
2. Request an official transcript from your secondary school showing subjects completed, grades earned, and date of graduation. An official General Education Diploma (GED) transcript may be submitted as evidence of high school graduation.
3. Request official transcripts to be forwarded from any college previously attended to:
Office of Outreach and Admissions
900 College Circle
Mount Laurel, NJ 08054

Note: Some programs have select admissions. Refer to each program's website for policies specific to the program: Cancer Registry Management, Coding Certificate, Computed Tomography Certificate, Diagnostic Medical Sonography, Dental Hygiene, Health Information Technology, Magnetic Resonance Imaging, Nursing, Paramedic Science, and Radiography.

Student Health Insurance

Rowan College at Burlington County is no longer required to provide health insurance to students.

Students will find information regarding the purchase of insurance on the Business Office page of the RCBC website.

Change of Record Information

Students who wish to make any changes to their academic record must file proper forms with the Office of the Registrar. Changes include name, address, telephone number, or other items on the initial application.

Out-of-County, Out-of-State Students

Individuals who wish to attend RCBC but are not residents of Burlington County are accepted for admission using the same criteria for admission as for county residents but will be charged a different tuition rate. (for Chargeback Law see page 17).

Admission of Adults with Neither a High School Diploma Nor a High School Equivalency Diploma

Individuals ages 16 or older, who are no longer attending high school and have approved waivers from authorized personnel, may be admitted to the college. Waivers may be submitted by high school authorities, a probation or parole officer, New Jersey State Vocational Rehabilitation counselor, or judge.

Students using this option may apply to the Department of Education, State of New Jersey, and petition for a high school state issued diploma upon completion of 30 college-level credits (numbered 100 or above) taken from categories specified by the State of New Jersey.

For details, please contact the Office of Outreach and Admissions at (856) 222-9311, ext. 1199 or admissions@rcbc.edu.

NOTICE—State of New Jersey Requires Immunizations

The State of New Jersey requires all full-time (12 or more credits), degree seeking students provide proof of immunizations against measles, mumps, and rubella, meningococcal, and hepatitis b. Proof of immunizations should be certified by your health care provider, utilizing the "Certificate of Immunization" form, which can be obtained from the college website at rcbc.edu/forms.

Students who are exempt from the immunization requirements on grounds of medical contraindication, religious reasons, or age (students born before 1957 are exempt from MMR requirements only), should submit the "Certificate of Immunization", indicating the type of exemption, along with supporting documentation as required.

Students may be admitted and enrolled on a provisional basis for their first term if required immunization documentation is not available at the time of registration.

If you have any questions about the regulations, please contact the Office of Outreach and Admissions at (856) 222-9311, ext. 1199.

Residency Requirements

Students who indicate on their application that they are residents of Burlington County satisfy the residency requirements by submitting their online application. If requested, students must be able to submit a notarized statement of residency. Any falsification of information may subject the student to dismissal from Rowan College at Burlington County.

Readmission

Students who have not registered for a credit course for three years or more must submit an application for readmission at rcbc.edu/apply. No application fee is charged for readmission. The current catalog in effect at readmission will be used to determine the appropriate curriculum.

Students who have been dismissed for academic reasons must petition the Academic Standards Committee to be reinstated. Forms are available from the advising staff at the Mount Laurel campus.

High School Students & College Head Start

In select cases, high school students receive college credit through courses offered at RCBC or through their high school. All high school students will need consent from their high school administrator and parent/guardian. For more information on this program visit: rcbc.edu/high-school-students.

Students begin working toward an associate degree while completing their high school coursework by participating in the following programs:

1. Online Discount Courses

Students can take select online courses while still enrolled in high school and receive a tuition discount.

2. College Acceleration Program (C.A.P.)

The College Acceleration Program provides students with the opportunity to take college-level courses for credit at Rowan College at Burlington County while enrolled in their current high school. Courses in this program are taught by high school teachers who have been approved by RCBC. RCBC determines the courses that qualify for this program. For more information on this program visit: rcbc.edu/CAP.

3. RCBC Offered Courses

Students can take classes at any of our campus locations while still enrolled in high school.

Students must meet any pre-requisite requirements, if any, for the course they are seeking to take.

Transfer Students

Transfer students are welcome at Rowan College at Burlington County. Students seeking to transfer credits from another accredited, post-secondary education institution into RCBC must meet the criteria and fulfill the requirements stated below. The Rowan College at Burlington County Office of the Registrar, and where appropriate, the Academic Divisions have the responsibility for oversight, updating and compliance with the transfer credit policy and procedure.

Requirements:

1. The post-secondary institution where the credits were earned must be accredited by the appropriate regional accreditation agency.
2. The transfer applicant must select a RCBC degree or certificate program. Credits will not be evaluated without a selection of degree or certificate program.
3. The course(s) to be transferred must be compatible to a RCBC degree or certificate program and the course(s) must be applicable to the student's selected degree or certification program. Non-equivalent courses are elective credits.
4. The student transfer applicant must have successfully completed the course(s) with a grade of "C" or better, unless a higher grade is required for a selective admissions program as published in the college catalog.
5. Transfer credits are not included in computing a grade point average and are listed as "TR" grades on the student's official RCBC transcript.
6. A student must complete a minimum of 25% of credits for any degree or certificate at RCBC, in general that means a student may transfer up to 45 credits towards an Associate degree program. Transfer credit maximums for certificates vary by certificate.
7. Transfer students must be placed or waived from our placement exam prior to registration as published in the "College Assessment" section of the college catalog.

8. Transfer applicants must submit an **official transcript** from all previously attended institutions of higher education. Students who have attended international universities must have their transcripts evaluated (course-by-course) by any current members of NACES (National Association of Credential Evaluation Services) prior to submitting an official transcript.
9. Credits may be awarded for military training based on an evaluation by the American Council on Education. Students are responsible for contacting ACE to have official transcripts sent to Rowan College at Burlington County.
10. Rowan College at Burlington County participates in NJ Transfer and accepts all course equivalencies listed on the NJ Transfer web site (njtransfer.org). The credits shall be accepted for transfer in to RCBC once an official transcript is received and reviewed by the Office of the RCBC Registrar.
11. Courses taken in Mathematics, the Sciences, and Computer Science are subject to review after five years and all other courses are subject to review after ten years.
12. Rowan College at Burlington County grants credit for acceptable scores from the College Level Examination Program (CLEP), the College Board Advanced Placement (AP and IB) exams. Refer to the sections in the college catalog on CLEP, AP and Credit by Department examination.

Applicants to the Cancer Registry Management, Coding Certificate, Computed Tomography Certificate, Diagnostic Medical Sonography, Dental Hygiene, Health Information Technology, Magnetic Resonance Imaging, Nursing, Paramedic Science, and Radiography and Paralegal programs must consult program directors about transferring college courses into each discipline.

After the Registrar's Office has determined the acceptability and appropriateness of the credits to the student's program, the transfer credit will be applied to the student's academic record. Students may view their academic record in Self-Service. Appeals of transfer decisions are directed to the Office of the Provost.

International Students

Before you can apply at a U.S. Embassy or Consulate for a student visa (also known as an F-1 visa), you must first apply to an eligible SEVP (Student and Exchange Visitor Program) approved school. Rowan College at Burlington County is a SEVP certified school, eligible to enroll non-immigrant visa holders whose primary purpose for coming to the United States is to be a student.

RCBC admits F-1 students for the Fall (deadline: June 30) and Spring (deadline: October 30) semesters.

To gain admission to RCBC, a new international student applicant must complete and submit the following documents to obtain a Form I-20 (Certificate of Eligibility for Non-Immigrant F-1 Student Status):

- RCBC International Student Application;
- \$100 non-refundable application fee (*check/money order only*);
- Certified copy of high school transcripts (translated into English), by any current member of NACES (National Association of Credential Evaluation Services) that verifies completion of secondary school;
- Official TOEFL test score report* (if applicable);
- Sponsor's Affidavit and Evidence of Annual Cash Support with supporting documentation which include:
 - Original financial statements to verify sufficient funds. These statements must:
 - Be written in English (or officially translated into English) on bank letterhead;
 - Display the sponsor's name as the owner of the account;
 - Be less than 6 months old;
 - Show a minimum of \$20,000 USD;
 - Provide proof of individual sponsor income.
- Copy of current valid passport;
- Copy of current valid visa and I-94 (if currently in the U.S.);
- Current and previous I-20s (if transfer student from another U.S. institution);

- A course-by-course evaluation by any current members of NACES (National Association of Credential Evaluation Services) of any foreign college courses the student wants transferred to RCBC. Visit: naces.org/members.htm;
- Immunization Record (measles, mumps, and rubella, and hepatitis B;

* The TOEFL (Test of English as a Foreign Language) is not required for admission; however, if the TOEFL exam (paper-based, computer-based, or internet-based test) is taken within one year, scores can be considered for potential ESL assessment.

RCBC offers the English as a Second Language (ESL) Pathway Program for F-1 international applicants. The ESL Pathway program is a program of study combining credit-bearing and developmental ESL coursework to prepare a student to meet the English proficiency. This program is for degree-seeking international students (F-1 Visa) who have met admission requirements at RCBC; however, they need to improve their English proficiency.

Note: Some of RCBC's programs have competitive and selective admissions requirements which do not guarantee admission into these selected programs.

For more information, please contact the Office of International Student Services at international@rcbc.edu.

Services for Students with Disabilities

Rowan College at Burlington County makes appropriate services and facilities available to students with disabilities, as defined by Section 504 of the Rehabilitation Act of 1973, which requires post-secondary institutions receiving federal financial assistance to provide "program accessibility" to students with disabilities.

A student with a disability is defined as one who has a physical or mental impairment which substantially limits one or more major life activities, has a record of such an impairment, or is regarded as having such an impairment.

At present, specialized services at the college are made available to students with disabilities on an individual basis. The college has a number of features in its construction intended as aids to individuals with physical disabilities as they move around the campuses. RCBC's vocational opportunities are accessible without regard to race, color, national origin, sex or handicap. Students with disabilities are required to follow established admissions procedures at the college. Students with disabilities are encouraged to visit the campus or contact the Office of Student Support on the Mount Laurel Campus, to discuss any special accommodations. It is the student's responsibility to provide the college with the proper documentation to substantiate any and all disabilities. This information enables the college personnel to be able to provide the accommodations necessary for a successful learning experience.

Services to students with disabilities at RCBC include the following:

- barrier-free design in all campus buildings;
- special registration procedures as requested;
- test-taking assistance for the visually and motor-skill-impaired;
- access to voice recorders for in-class use with appropriate documentation;
- special parking privileges;
- an adaptive learning lab;
- other services as needed.

For further information contact the Office of Student Support at (856) 222-9311, ext. 1208.

Dispute Resolution for Students with Disabilities

Rowan College at Burlington County has developed an administrative procedure to assist students with disabilities in resolving any dispute in which the college or any of its agents or employees allegedly act in violation of Section 504 of the Rehabilitation Act of 1973, 29 USCA, 794. This statute, commonly known as “the handicapped access law,” prohibits discrimination against otherwise qualified handicapped persons.

There are four specific steps to follow in this procedure. Students should proceed as follows:

1. Within five college work days of the alleged incident, the student should attempt to resolve the problem personally with the college employee involved.
2. If the person is unable to reach a satisfactory resolution of the complaint in step 1 above, the person should, within five working days of the meeting with the college employee, make a written request for a meeting with the employee’s immediate supervisor. This meeting with the supervisor is to take place within 10 college work days from receipt of the request. The immediate supervisor will hear the person and collect data as needed from the employee and other college personnel and render a decision on the matter. The supervisor will communicate this decision in writing to the person and employee within five college work days after the meeting.
3. If the person is unable to reach a satisfactory resolution of the complaint in step 2 above, the person should, within five work days of receipt of the written decision following the meeting with the college employee’s supervisor, make a written request for a meeting with the Vice President in whose area of supervision the matter has occurred. This meeting is to take place within 10 college work days from receipt of the request. The appropriate Vice President will review the facts presented by the person and collect data from other personnel as needed. The Vice President will render a decision on the matter and communicate this decision in writing to the person, the employee against whom the person has made the complaint, and the employee’s immediate supervisor within five work days after the meeting.
4. Any person may appeal the decision of the Vice President directly to the President of the college. The notice of appeal must be received at the Office of the President within five college working days of the date of the Vice President’s decision. The President, within 10 college work days of receiving the notice of appeal, shall either confirm, reverse, or modify the decision of the Vice President. The President’s written decision shall include his/her/their reasons for arriving at said decision. Said decision shall be final.

The steps are outlined in college procedures published online through the online student handbook.

In the event that litigation is brought against the college or any of its agents or employees alleging any statement of facts constituting a violation of Section 504, the college will move to dismiss such litigation in all cases where the plaintiff has failed to utilize this student dispute resolution procedure.

College Assessment

The State of New Jersey requires all institutions of higher education to assess all full-time and part-time entering students for proficiency in reading, writing, computation and elementary algebra. RCBC does this through Multiple Measures. Students will be assessed after they have been admitted to the college. All degree-seeking students must show the ability to benefit from college-level courses. If Multiple Measures cannot be used, then the college assessment will be used for course placement purposes. No student will be denied admission to the college based on the assessment results but course selection may be restricted based on the student’s performance on the assessment. The assessment is taken after application materials have been processed. Students may be exempt from taking the assessment if they:

- are enrolled in a bilingual or English as a Second Language (ESL) program. They must be evaluated after they complete the program.
- already hold an associate degree or higher from an accredited college or university and can provide proof of completion.
- have successfully completed the equivalent of English Composition (ENG 101) and college-level math (MTH 107 or higher) with a grade of “C” or higher and can provide proof of completion.
- met the following benchmarks on the:
 - SAT –**
 - Prior to March 2016 students with scores of: Math Score of 530 or higher and a Critical Reading Score of 540 or higher
 - After March 2016 students with scores of: Math Score of 500 or better and an Evidence Based Reading and Writing Score of 450 or better.
 - PARCC –**
 - MATH PARCC with a minimum score of Level 4 or 750 on the Algebra II Exam
 - ENGLISH PARCC minimum score of Level 4 or 750 on the English Language Arts/Literary Grade 11 Exam

ACT –

- Students with ACT scores of 23 or higher in Reading and 20 or higher in Math
- have met the college’s requirement for CLEP or Advanced Placement in English, computation and elementary algebra.
- have completed developmental courses comparable to RCBC’s highest level of remediation at another regionally accredited college. Students must provide a transcript and a catalog course description.
- are not working toward a degree and want to attempt fewer than 30 credits. The assessment will be required prior to attempting the 30th credit.
- have taken the assessment at another New Jersey college and the results have been forwarded to:
Test Center
Test Coordinator
900 College Circle
Mount Laurel, NJ 08054

Applicants cannot register for English Composition (ENG 101) or college-level mathematics (MTH 100 or higher) or courses with a math or English prerequisite if they have not taken nor have been exempt from the assessment.

Advanced Placement

Rowan College at Burlington County may grant credit hours for the College Board Advanced Placement Program examinations. Students must have an official AP Score Report (transcript) sent from the College Board Advanced Placement Program sent to the RCBC Office of Outreach and Admissions.

The transcript will be evaluated and credit given for courses offered by RCBC if the scores meet the RCBC criteria. Contact the Office of the Registrar for more information or visit: rcbc.edu/transcripts.

Credit by Departmental Examination

Rowan College at Burlington County offers institutional credit-by-examination in limited and specific areas. A non-refundable fee is charged for each examination. A maximum of 30 credit hours may be earned if procedure and criteria are met. No grades are recorded. Credit awarded is reflected on a student’s transcript. For forms, contact the Office of the Registrar.

Credit Through CLEP

Rowan College at Burlington County may grant up to 30 credit hours earned through the College Level Examination Program (CLEP) General Examinations on scores recommended by the American Council on Education. Similar credit may also be awarded for subject examinations. To schedule an appointment for the CLEP Examination, contact the Test Center. Contact the Office of the Registrar for tests and scores accepted by RCBC or visit rcbc.edu/transcripts.

Foreign Language Placement Policy

Students may begin the study of a foreign language at the elementary level, but students who have successfully completed two years of a foreign language in high school are encouraged to begin with 201. Students are assisted in selecting the appropriate level at which to begin by a faculty member.

New Student Orientation

All new students are required to participate in the orientation session held prior to the start of their first semester at RCBC. The orientation session is designed to acquaint students with college policies and procedures, the layout of the campus and key college personnel. New students will be informed by email of the dates for orientation.

Drug-Free Campus

It is an objective of Rowan College at Burlington County to provide a safe, drug-free environment for members of the college community and to comply with the provisions of the Drug-Free Workplace Act and other applicable laws. Receipt of federal grant funds is conditioned upon the agreement of the college to comply with federal law; failure to comply may result in the suspension or termination of a grant award or the college’s eligibility for federal grants.

The Student Code of Conduct (Board Policy 903 B) makes it unlawful to manufacture, distribute, dispense, possess or use a controlled substance on campus. Students found in violation will be reported to the local authorities and may be expelled from the college.

Students should be aware of the various drug counseling, rehabilitation and student assistance programs available. Information is available in the Office of Academic Advisement and college academic advisors/counselors can assist with referral if a student so desires.

Student Conduct

It is the responsibility of all students of Rowan College at Burlington County to read and be familiar with the rules and regulations governing student conduct. Please reference the Student Code of Conduct at rcbc.edu/conduct and read the Student Rights and Responsibilities detailed in this catalog.

The code shall at all times be interpreted on the general principle that all students shall incur like penalties for like violations and that the accused are assumed innocent until proven guilty based on a preponderance of evidence. Students accused of misconduct shall be given written notice within five class days of a formal disciplinary hearing. Notification must state specific charges, the name of the accuser, possible penalties if found guilty, the date, time and place of the hearing and any other basic information relating to the case.

The Rowan College at Burlington County Public Safety Office receives and investigates all incidents. If the situation warrants police action, or if the individual reporting the matter makes a request, the Public Safety Office will contact the applicable municipal police department.

RCBC’s Public Safety Department will summon the assistance of other agencies to provide services that require special resources.

For assistance, call:

Mount Laurel
(856) 222-9311, ext. 2100

Willingboro
(609) 877-4520, ext. 3100

Mount Holly
(609) 267-5618, ext. 4100

Financial Information

TUITION AND FEES

Payment Policy and Due Date

All tuition and fees must be paid on or before the published due date. Payment arrangements, whether by full payment, payment plan, sponsorship, waiver or financial aid, must be made by the posted date for each semester and mini-term. Please visit the Office of Student Accounts webpage or the posted Academic Calendar for all due dates. A registration fee is charged to all students registering after the posted payment due date. A late registration fee is charged to all students registering on or after the first day of classes. All students who register after the payment due date, must make payment arrangements within 7 days after the date of registration. Failure to make payment arrangements may result in classes being dropped for non-payment.

Payment Options

Payments can be made online by logging in to your BaronOne account, selecting the Self-Service option and clicking “Payment Options and Account Management.” Log into BaronOne at rbc.edu/BaronOne. Online payments are accepted in the form of credit card (Visa, Mastercard, Discover and American Express) or electronic check. In person payments are accepted at the Office of Student Accounts in the Student Success Center in the form of a check, cash, money order or credit card. Students with tuition benefits offered by an employer must submit a payment voucher, on company letterhead, prior to the payment due date for approval.

Payment vouchers may not include any restrictions or contingencies (grades/attendance/etc.) in order to be deemed an appropriate payment arrangement.

Affordable Monthly Tuition Payments

RCBC offers an interest-free monthly payment plan for each term. Students may enroll in a payment plan by logging into their BaronOne account, selecting the Self-Service option, and clicking “Payment Options and Account Management.” There is a \$25 non-refundable enrollment fee for each term in which a student enrolls in a payment plan. The enrollment fee is in addition to the down payment amount. Monthly payments are automatically deducted from a bank account or credit card. If a student’s down payment is returned for non-sufficient funds or for any other reason, the student payment plan will be terminated immediately and classes may be dropped. If a student sets up a new payment plan they must use another method of payment.

Financial Aid

For information on financial aid programs offered by the college, see pages 19-22.

Financial Responsibility for Dropping Classes

Charges for the courses dropped prior to the first day of class or within the drop period will be removed at 100% from the student account. The only exception is in instances where the student has unreturned books or materials. The student account will be adjusted accordingly and any established payment plans will be adjusted automatically according to the new amount billed.

Dropping a course or courses after the add/drop period is considered “Withdrawal from Courses”. Charges for the courses withdrawn after the add/drop period remain on the student account at 100%. Non-attendance does not equate to a drop or withdrawal. Additional info on “Withdrawal from Courses” can be found under “Registration” section.

Delinquent Student Accounts

Student accounts that have an outstanding balance but no acceptable payment arrangement are considered delinquent. Rowan College at Burlington County may refer the delinquent account to a collection agency. When the account is placed with the collection agency the student will be responsible for paying all collection agency fees. The collection agency fee is based on a percentage of the total of the delinquent account placed with the agency. Rowan College at Burlington County may *also* refer delinquent accounts to the State of New Jersey SOIL (Set Off of Individual Liability) program. SOIL withholds New Jersey Income Tax refunds and Homestead Benefit payments from taxpayers who owe debts to entities such as colleges and universities. Students with an outstanding balance will be prohibited from registering and accessing official transcripts.

Application Fee

There is no application fee for domestic admissions applicants (within the U.S).

International student applicants (students seeking or on an F-1 visa): must pay a fee for admission to the college, this processing fee is non-refundable.

Tuition

For current tuition rates please visit rbc.edu/tuition.

Tuition, fees and other charges are subject to change at any time in accordance with the policies established by the Board of Trustees of Rowan College at Burlington County.

General Fee

Pays for academic and other support provided to students including tutoring, testing, library resources, and counseling as well as enhanced security upgrades throughout the campus. See page 19 for the current general fee.

Technology Fee

Pays for technology to support student learning including the related annual contracts for the learning management system, student information system, computer labs, software and related upkeep. See page 19 for the current technology fee.

Student Activity Fee

Pays for the activities and events available to students on campus including student clubs, and student activities as well as cultural events and programs available on campus. See page 19 for the current student activity fee.

Supplemental Fee

Pays for the processes related to admissions and graduation including transcript processing (receiving and sending) and commencement. See page 19 for the current supplemental fee.

Infrastructure Fee

Pays for upkeep of the college's campuses and infrastructure, including maintenance, debt service on capital projects, new capital projects when appropriate, and renovations of space to maintain top quality physical spaces for students. See page 19 for the current infrastructure fee.

Chargeback Law

(Non-Burlington County Residents)

New Jersey residents living outside of Burlington County and attending Rowan College at Burlington County in a *Chargeback* eligible program *must* obtain an *Application and Certification of Eligibility for Chargeback form* from the Recruitment Office or Registrar of the student's home community college. Failure to apply for a Chargeback *will result in additional charges, covering the cost of the course, to the student.*

Completion of this process may result in the student being charged the in-county tuition rate. For further information regarding chargeback eligible programs and requirements, please contact Office of Outreach and Admissions or the Office of Student Accounts.

The Following Procedures are to be Followed:

1. First semester students will receive a letter from the Office of Outreach and Admissions verifying their admission to Rowan College at Burlington County.
2. A copy of the College Assessment scores should be obtained from the Test Center.
3. All out-of-county students will receive information from the Office of the Registrar indicating the courses or curriculum enrollment for the semester.
4. All necessary information must be processed by the appropriate office (Office of the Registrar, Office of Outreach and Admissions and Office of Student Accounts) of your home county college.
 - a. A "Certificate of Eligibility" will be issued if approved
 - b. A refusal form will be completed if denied
5. A Residency Certificate must be completed by the County Treasurer's Office of your "home" county.
6. Return all information to the RCBC Office of Student Accounts, located in the Student Success Center.
7. This process must be completed by the deadlines established by your "home" county.
8. Renewal by semester depends on the procedures established by your "home" county college.

Special Rates for Senior Adults

Students aged 65 or older and who are residents of Burlington County, New Jersey are eligible for a Senior Citizen tuition waiver. The student is required to pay all fees. Proof of age and residency must be provided prior to registration to utilize the Senior Citizen rate. Special rates and discounts are not retroactively applied.

Course/Materials Fees

Some courses at the college require additional fees to pay for laboratory hours and/or additional materials required for the course. ACCESS permits RCBC students to access their books and course materials with less cost, cost predictability, and greater convenience, and the ability to use financial aid or a payment plan for books and materials. See page 19 for the ACCESS charge.

IncludedED permits RCBC Health Sciences students to have access to all of their required materials from the first day of class. The course material charge is included on the student statement/bill. The cost structure for IncludedED is published at rcbc.edu/bookstore. See page 19 for the IncludedED charge.

A per credit Culinary Program Fee is charged to all RCBC culinary students to pay for materials needed in the culinary program.

Returned Check Fee

Any check returned to the college by the bank on which it is drawn, for any reason whatsoever, will incur a processing fee and in the future, the student's privilege of writing personal checks to the college may be revoked.

Post-dated checks will not knowingly be accepted by the college, and if returned by the bank, are subject to the returned check fee.

Identification Card

Each student is issued a free ID card at the time of registration. There is a \$20 replacement fee for identification cards.

Schedule Change Fee

Once classes begin, a NON-REFUNDABLE fee is charged EACH time a student ADDS a class or CHANGES a section when the change is for the student's personal convenience or for a change in instructor.

Tuition Refunds

Tuition refunds are processed during the 60 working days following the last day of the official Drop/Add period. Refunds are made by check for students who paid by cash or check. A credit card refund is done for payments made by credit card. All check refunds are mailed to the student's address on file. It is the student's responsibility to ensure that the mailing address of record in the college's student information system is correct/current. Students with questions regarding refunds should contact the Office of Student Accounts. All students are encouraged to establish an eRefund account which will allow delivery of refunds to a bank account of your choice via direct deposit. This is a much quicker and efficient way to issue and receive refunds.

Financial Aid Refunds

Credit balances on student accounts that are a result of financial aid disbursements will be refunded to the student within 14 days of the credit balance student account status. Parent PLUS loans are refunded to the parent unless the parent has indicated otherwise in the loan process. RCBC advises all students to set up an eRefunds (electronic refunds) through our vendor Touchnet to allow for quicker processing and delivery of the financial aid refund to the student's bank account. Students may set up an eRefund by logging into their BaronOne account, selecting the Self-Service option and clicking "Payment Options and Account Management."

Exceptions and Appeals Committee

The Exceptions and Appeals Committee is responsible to review student petitions to the college's financial policies. Exception and Appeal Petitions are reviewed in the order they are received. Petitions must be submitted using an RCBC student email or in person to the Student Services office on the 2nd floor of the Student Success Center. Petitions and supporting documentation should be submitted within 90 days of the end of the term, which necessitates the appeal. Petitions submitted after 90 days must be supported with documentation of extraordinary circumstances to be favorably considered. In order for the committee to consider a petition, courses for the semester/term that is under review must have a status of dropped "D", withdrawal "W", or have been approved for administrative withdrawal "AW". The Committee makes its decision based on the student's written explanation of the extenuating circumstance and the submitted documentation (i.e., verification of hospitalization from a doctor or hospital, transfer orders signed by a military commander, etc.). The Exceptions and Appeals Petition form is available on the website at rcbc.edu/forms.

SUMMARY OF FEES*

Fees are Subject to Change

Miscellaneous Fees

ACCESS***	\$21 PCH
	<i>for all course registrations excluding health sciences courses.</i>
Credit by Exam Fee	\$25 PCH
Culinary Program Fee	\$191.50 PCH
Infrastructure Fee.....	\$40.25 PCH
General Fee.....	\$7.25 PCH
IncludED	Varies
	<i>for applicable health sciences course registrations.</i>
International Student application fee.....	\$100
Late Registration Fee	\$40
Replacement of Student ID Card	\$20
Replacement of Parking Sticker**	\$10
Returned Check Fee	\$35
Schedule Change	\$20
Student Activity Fee	\$1.50 PCH
Supplemental Fee.....	\$1.00 PCH
Technology Fee.....	\$10.50 PCH

PCH: Per Credit Hour – In-county rate*

***for 3rd active parking permit*

As of Summer II 2020

FINANCIAL AID

Mount Laurel, Student Success Center.

Phone: (856) 222-9311, ext. 1575

Email: financialaid@rcbc.edu

Federal School Code: 007730

rcbc.edu/financial-aid

Introduction

RCBC has a comprehensive financial aid program that includes scholarships, grants, loans and work-study opportunities to assist students in meeting college costs. Funds come from many sources, including state and federal governments, local business and industry, and civic organizations. Funds are available not only to those with high financial need, but also to middle-income families that find it difficult to pay for a college education.

Financial Aid Office

Mission Statement

The Financial Aid Office of RCBC is committed to providing quality financial aid services to all eligible students and

- Delivering Federal Title IV aid, New Jersey state aid, RCBC Foundation assistance, and outside scholarship assistance to students who are eligible for educational funding via these resources.
- Acting as a resource to county residents, providing information about the financial aid application process.
- Serving our students in a timely, equitable, accurate, courteous, and fiscally responsible manner adhering to all federal, state, and college regulations.

Applying for Financial Aid

The first step in applying for financial aid is to complete the Free Application for Federal Student Aid (FAFSA). This allows you to apply for federal and state grants and many institutional scholarships. There is no charge for filing the FAFSA. Filing online at studentaid.gov/h/apply-for-aid/fafsa is the fastest, most efficient way to apply for financial aid.

Note: The FAFSA is available for completion on October 1 of each year for the next academic year. You must complete a FAFSA every academic year. An academic year consists of the fall, spring and summer semesters, which generally begin in August and end in July of each year.

Verification

Verification is the process by which additional information is requested by the U.S. Department of Education, New Jersey Higher Education Student Assistance Authority (HESAA) and/or the Office of Financial Aid to verify information. Verification is intended to improve the accuracy of the information submitted on the FAFSA. If you are selected for verification, you will be asked to submit documentation that allows RCBC to confirm the data you submitted.

The Financial Aid Office reserves the right to select any applicant for verification it believes to have submitted incorrect or conflicting information in order to protect the integrity of the financial aid programs. The data elements selected for institutional verification may go beyond the data elements required by the Department of Education. Other student populations selected for verification include: the parents, siblings, and spouses who attend RCBC, or students selected by CPS for verification.

As part of the verification process, the student's high school/GED completion and citizenship and state residency is verified and information is compared with data obtained in the admission process.

Deadline

RCBC publishes a priority deadline for financial aid each award year. Priority applications are guaranteed to be processed prior to the start of the semester. The student's file for the 2021- 2022 aid year must be completed by June 1, 2021 for a fall 2021 semester start, October 1 for a spring 2022 semester start, and April 1 for a summer 2022 semester start. However, as long as RCBC receives the student's FAFSA before the end of the enrollment period for which the student is applying for aid, the student's eligibility will be reviewed.

For a file to be considered complete, your FAFSA must be processed by the Department of Education and the results received by RCBC. In addition, you must submit any documentation requested by RCBC in order to complete your FAFSA application.

Completing the FAFSA

The first step to completing the Free Application for Student Aid (FAFSA) is to create an electronic signature (FSA ID). Your FSA ID will be used to sign all important federal documents related to financial aid. The FSA ID is created online at fsaid.ed.gov/npas/index.htm. You will need a valid email address to complete this process. Students and their parent (if dependent) are required to have an FSA ID.

When completing the FAFSA be sure to use the tax information from the calendar year indicated on the FAFSA you are filing. You will need the tax information for 2019 to complete the 2021-2022 FAFSA for the fall 2021, spring 2022 and summer 2022 semesters.

If you are a dependent student, according to federal guidelines, then you must list both your and your parent's information. If your parent is remarried you are required to include your step-parent's information. If you are married, then you must list information for yourself and your spouse. Sign and date the FAFSA and have your parent sign if you are a dependent. We encourage you to electronically file and sign your FAFSA with the Department of Education at fafsa.gov. It is the fastest and easiest way to file your FAFSA every year that you are attending RCBC.

In the school choice section of the FAFSA, you must tell the federal processor which schools should receive your information. Enter RCBC's Federal School Code: 007730.

How Do I Get Help?

For your convenience, you can apply for a FSA User ID and file your FAFSA online using one of the 'Student Use' computers available on all campuses.

Online help with the filing process is available at fafsa.gov and at studentaid.ed.gov. You can also obtain help at 1-800-433-3243.

The Financial Aid Office can also assist you with this process, you can call or email the office to arrange an appointment.

What Happens Next?

After you have completed your FAFSA, you should receive your Student Aid Report (SAR) from the US Department of Education's Federal Processor. RCBC receives the same information electronically within two weeks. We will inform you of the status of your application and tell you if we need any additional documentation. If additional information is needed, Missing Information notifications are sent to the student institutional email address detailing the additional documentation to be submitted to the Financial Aid Office within ten (10) days. You can also log into BaronOne to check your document requirements in the Financial Aid section of Self-Service.

Once your file is complete and you have been awarded, we will send a notice of eligibility to your RCBC student email account.

GRANTS AND SCHOLARSHIPS

Federal Pell Grants

Federal Pell Grants are the single largest grant program at RCBC. It is a federally funded program open to all RCBC students who are degree or certificate seeking and demonstrate financial need. The amount of the grant award is based on the number of credits of enrollment, cost of attending RCBC, and the student's EFC (a formula used by the Department of Education to determine financial need). The federal Pell Grant is not available to students who have earned a bachelor's, graduate, or professional degree.

The maximum Federal Pell Grant award is \$6,345 for the 2021-22 award year (July 1, 2021, to June 30, 2022). The amount you get, though, will depend on your Expected Family Contribution, the cost of attendance (determined by your school for your specific program), your enrollment status (full-time or part-time student), and your plans to attend school for a full academic year (fall, spring and summer) or less.

In certain situations, an eligible student can receive up to 150 percent of their scheduled Pell Grant award for an award year.

You may not receive Federal Pell Grant funds from more than one school at a time.

Federal Supplemental Educational Opportunity Grants (FSEOG)

FSEOG is also a federal grant. It is designed for students with exceptional financial need. Eligible degree-seeking students must register for at least six credits for each semester during which they receive FSEOG funds. FSEOG funds are awarded to the neediest Pell Grant recipients. You can receive between \$100 and \$4,000 a year, depending on your financial need, when you apply, the amount of other aid you get, and the availability of funds at your school.

Tuition Aid Grants (TAG)

The New Jersey Tuition Aid Grant (TAG) is a need-based grant awarded to New Jersey residents which is determined by completing the Free Application for Federal Student Aid (FAFSA). The award amount varies depending on financial need, cost of attendance and available funding. This grant is available to students who meet the following eligibility requirements:

- U.S. citizen or eligible non-citizen
- Resident of New Jersey for 12-month preceding enrollment
- Full-time enrollment
- Maintain Satisfactory Academic Progress

Community College Opportunity Grant (CCOG)

The Community College Opportunity Grant (CCOG) is a grant available to New Jersey residents who are enrolled in at least 6 credits per semester during the Fall or Spring term and who have an adjusted gross income of \$0-\$65,000. You must complete the FAFSA and log into the State of New Jersey's aid system (FAMS) to complete any outstanding requirements from them. The award amount varies per student.

Educational Opportunity Fund Program (EOF)

EOF provides financial assistance and comprehensive support services (e.g. counseling, tutoring, and developmental course work) to students who attend participating institutions of higher education in the State of New Jersey.

Undergraduate grants range from \$338 to \$1250 annually for students enrolled at a two-year institution who demonstrate financial need. These grants are renewable based upon continued eligibility. Eligibility requirements are located at rcbc.edu/eof and include:

- Completion of the EOF application, available online at rcbc.edu/eof.
- Completion of the FAFSA and NJFAMS aid applications.
- Adherence to financial eligibility guidelines.
- Enroll for at least six (6) credits at RCBC, seeking a degree.

- One year residency (12 months) in New Jersey.
- Completion of an interview with the EOF director.

Interested students should call the EOF office at (856) 222-9311, ext. 1462 or email eof@rcbc.edu.

New Jersey Student Tuition Assistance Rewards Scholarship (NJ STARS)

New Jersey residents who rank in the top 15.0% of their class at the end of either junior or senior year of high school are potentially eligible for up to five semesters of free tuition, less any State and/or Federal grants and scholarships. (Please note the scholarship is a tuition only award; no course fees, institutional fees, or books will be covered). The award covers these charges for up to 18 credit hours per semester. You must be enrolled in a minimum of 12 college-level credits every semester and maintain a 3.0 GPA. NJ STARS award will no longer pay for remedial/developmental course work. A NJ STARS-eligible student must complete all developmental course work one year from high school graduation. It is recommended that developmental course work be completed while the student is in High School or in the summer term prior to his/her/their Fall enrollment. The student must enroll in an associate degree program of a New Jersey community college in the county in which they reside. Out-of-county residents are considered only if their home-county college does not offer the program they are interested in pursuing.

There are additional NJ State resources listed on the RCBC website at rcbc.edu/financial-aid.

Student Employment

Federal Work-Study Program (FWS)

FWS is a federal employment program in which the government allocates funds to the institution to employ students on campus to help them pay for their education expenses. FWS is available to degree-seeking students enrolled for at least six (6) credits and who show financial need. Students generally work an average of 20 hours per week. Recipients must be U.S. citizens or permanent residents and must be making satisfactory academic progress. In order to receive consideration for the FWS students must file the Free Application for Federal Student Aid (FAFSA) each year.

Rowan College at Burlington County Foundation Scholarships

RCBC Foundation Scholarships are awarded each year to a select number of recipients based on academic merit and financial need. Scholarship amounts vary.

LOANS

Direct Lending

Rowan College at Burlington County participates in the William D. Ford Federal Direct Loan (Direct Loan) Program. Under the Direct Lending Program, the funds for your loan come directly from the federal government.

This program is available to students enrolled in a minimum six credits (part-time) per semester. In addition to completion of the FAFSA, borrowers must complete a RCBC Loan Request form, a master promissory note and a loan entrance interview.

Loans are repayable six months after graduation or when you cease to be enrolled at-least half-time (6 credits) For additional information about student or parent loans, visit rcbc.edu/financial-aid.

Annual Limits

Dependent Student Annual Subsidized and Unsubsidized

1st year (less than 29 credits earned)– \$3,500

2nd year (29 or more credits earned)– \$4,500

Independent Student Annual Subsidized and Unsubsidized

1st year (less than 29 credits earned)–
\$3,500
2nd year (29 or more credits earned)–
\$4,500

Dependent Student Annual Combined Subsidized and Unsubsidized

1st year (less than 29 credits earned)–
\$5,500
2nd year (29 or more credits earned)–
\$6,500

*Independent Student** Annual Combined Subsidized and Unsubsidized*

1st year (less than 29 credits earned)–
\$9,500
2nd year (29 or more credits earned)–
\$10,500

*** Includes dependent students whose parents are unable to borrow PLUS loans.*

Subsidized Loans

Subsidized direct loans are federally guaranteed loans based on financial need. Interest does not accrue on the loan while you are enrolled for at least half time, or during future deferment periods. A student can not receive financial aid that will exceed the cost of attendance.

Unsubsidized Loans

Unsubsidized direct loans are federally guaranteed loans and are not based on financial need. Interest will begin accruing from the time the loan is disbursed to the school.

A student cannot receive financial aid above the cost of attendance.

Federal Parent Loan for Undergraduate Students (PLUS)

The PLUS program makes education loans available for parents of undergraduate students. Annual loan limit is the dependent student's cost of education minus any estimated financial aid received. Repayment begins within sixty days of disbursement, with up to ten years to repay.

NJ CLASS

The CLASS loan program is for students and supplements the Direct Lending program. Annual loan limit is the cost of education minus any financial aid received. There are three repayment options: (1) defer all payments until after graduation; (2) pay interest only; (3) or pay interest and principal.

Students must use their full Federal eligibility first. For more information, visit hesaa.org/Pages/NJCLASSHome.aspx.

How Aid is Awarded

Unless otherwise noted as a merit-based scholarship, financial aid is awarded to students solely on the basis of their financial need. Financial need is the difference between a student's cost of attendance and their Expected Family Contribution (EFC) from the FAFSA.

Cost of Attendance

The student's cost of attendance includes allowances for such items as tuition, fees, books, supplies, room and board, personal expenses and transportation for one academic year.

Expected Family Contribution (EFC)

The family's expected contribution is computed from the data the family submits on the FAFSA to the Department of Education. If you are a dependent student, it comprises the parent's contribution and the student's contribution from income and assets. If you are independent, it is based on your and, if married, your spouse's income and assets.

Other Resources

Other resources may include government education benefits, employer tuition payments, veteran benefits, and other payments made to your student account by outside third parties. All other resources are used in determining your financial need and must be reported to the Financial Aid Office.

Outside Aid

Outside aid is typically veteran benefits or other private scholarships. All outside aid is used in determining need and must be reported to the Financial Aid Office.

General Eligibility Requirements

To qualify for federal, state, RCBC need-based financial aid and most assistance other than scholarships, you must meet general eligibility requirements:

- Have a high school diploma, GED or equivalent
- Be enrolled or accepted for enrollment in a degree or certificate program
- Be a U.S. citizen, U.S. national or eligible non-citizen.
- If you are selected for verification by the Department of Education or RCBC, complete the verification process prior to disbursement of any financial aid funds.
- Maintain satisfactory academic progress in your degree or certificate program of study.
- Not be in default on a federal student loan.
- Not owe a refund on a federal or state grant.
- Demonstrate financial need to qualify for need-based funds.
- Meet the defined criteria for each financial aid program.

Financial Aid Satisfactory Academic Progress (SAP) Policy

All students receiving student financial aid from federal, state or institutional sources must make satisfactory academic progress (SAP) at Rowan College at Burlington County (RCBC). SAP is monitored at the end of each semester for aid recipients who are degree-seeking or pursuing a certificate. SAP measures a student's performance for all terms of enrollment, including terms in which the student does not receive financial aid. A financial aid applicant is responsible for knowing the Financial Aid SAP Policy. To view our current policy please visit rcbc.edu/financial-aid/policies.

Academic Amnesty for Financial Aid

Federal regulations make no provision for academic amnesty. If a student's prior coursework was given special treatment under RCBC's provisions for Academic Amnesty, the student's cumulative GPA must be calculated based on the inclusion of all credits attempted at RCBC. If the recalculated GPA is less than 2.0, the student may appeal to the Financial Aid Office for special circumstances.

Transfer Credits for Financial Aid

Credits transferred from another college are counted in the number of credits attempted and completed to measure completion rate and maximum time frame. Transfer credits are not counted in the calculation of grade point average.

Withdrawals/Incompletes/Repeats/ Other Grades for Financial Aid

NOTE: None of the following grades are included in the calculation of cumulative GPA with the one exception of the highest grade earned on a repeated course.

Credits with a grade of "AW" (academic withdrawal), "W" (withdrawal) or "E" (old excused withdrawal) assigned after the drop/add period of a term are treated as attempted but not earned.

Credits with a grade of "I" (incomplete), "X" (extended incomplete), "SR" (stopped attending remedial level course) or "ST" (stopped attending college-level course) are treated as attempted but not earned.

Credits for repeated courses are treated as attempted but not earned, except for the course with the highest grade, which is included in the GPA calculation.

Credits for developmental and ESL coursework with a grade of "A*" (outstanding), "B*" (advanced), "C*" (pass), "P" (pass), "O" (outstanding), "S" (satisfactory) are treated as attempted and earned. The grades of "F*" (unsatisfactory), "U" (unsatisfactory) or "Q" (questionable) is treated as attempted but not earned.

Credits with a grade of "N" (no grade reported) or "NA" (non-attendance) are treated as attempted but not earned.

A grade of "AU" (audit), "L" (old audit), "M" (old audit non-attendance), "Z" (withdrew before the 10th day of a term) or "EX" (credit by exam) are not included in attempted or earned credits.

Second Degree Students for Financial Aid

Financial aid is available for students pursuing a second degree. Credits hours attempted and/or completed toward a prior degree will be included in the measures of Completion Rate and Maximum Time Frame, along with any transfer credits.

Change in Program for Financial Aid

If a student changes academic programs, the credits from the prior program will be counted in attempted and earned credits. If the student does not meet the minimum SAP requirements, the student may appeal on the basis of a change in program and request that only credits applicable to the new program be included in the calculation of cumulative GPA, completion rate, and maximum time frame.

Ineligibility for Financial Aid

Students classified as on Academic Dismissal by RCBC are immediately ineligible for financial aid. Any aid disbursed for a term in which the student has been dismissed must be repaid to the college.

Students who do not meet the minimum SAP requirements and have a SAP status of suspended are ineligible for financial aid. Any aid disbursed for a term in which the student is disqualified must be repaid to the college.

Appeal Process for Financial Aid

Students placed on suspended status may appeal their status and eligibility for financial aid. Appeals must be submitted in writing to the Financial Aid Office and will be evaluated by the Financial Aid SAP Committee for special circumstances. Special circumstances with documentation that may be approved:

1. student has a serious illness or accident,
2. death, accident, or serious illness in the immediate family,
3. unanticipated military deployment, or
4. change in academic program

Documentation of the student's special circumstances, past academic performance, and assessment of ability to make up the SAP deficiencies will be evaluated. If the appeal is approved, the student is placed on Probation for one term if pursuing a degree

or certificate. Approval of financial aid based on an appeal is normally granted one time during a student's academic career at Rowan College at Burlington County. If a student has not corrected the deficiencies after the first probationary period, the student is ineligible for aid until the deficiencies are corrected.

Unless there are special circumstances, a student placed on suspended status should demonstrate the ability to successfully complete coursework without financial aid before making an appeal. For example, a student enrolled for 12 semester credits who successfully passes all courses with a minimum 2.00 GPA and with grades of "C" or better, and who can complete the program of study within the allowable maximum time frame, is encouraged to file an appeal.

A student who fails to meet the SAP requirements and chooses to enroll without benefit of financial aid does not need to appeal for reinstatement of financial aid eligibility when the SAP minimum requirements are met.

Students should be aware that being re-admitted to RCBC does not automatically make them eligible for financial aid. Students must meet the standards above to qualify for financial aid eligibility. Students that have lost eligibility to participate in federal student aid programs for reasons of satisfactory academic progress can regain that eligibility only by enrolling at Rowan College at Burlington County at his/her/their own expense and demonstrating that he/she/they is/are capable of completing a semester without any failures, incompletes or withdrawals and showing the ability to complete his/her/their degree requirements in a more regular fashion. The mere passage of time will not ordinarily restore eligibility to a student who has lost eligibility for failure to make satisfactory progress.

As of July 1, 2011 Students are responsible for the most current version of this policy, which is reviewed annually and published in the financial aid section of the RCBC website.

Registration

Registration

An official registration must be processed online or in person to attend classes.

No student is permitted to attend a class if his/her/their name does not appear on the class list. Only students who have officially registered and paid, and whose names appear on the official class list, are permitted to attend the class and receive a grade or credit for the course.

Prerequisite and Corequisite Courses

A prerequisite is a course that improves a student's chance of success in another course. A corequisite is a course that a student is required to take at the same time as another course in order to enroll. Without them, a student is unlikely to be successful in the course for which the prerequisite or corequisite is required. In certain circumstances, students may obtain approval from the Dean of the course or appropriate academic administrator to take a course without the prerequisite or corequisite.

Enrollment Certification/Verification

Certifications and verifications of enrollment and academic status are processed by the Office of the Registrar. Students can request an enrollment verification using the form available online at rcbc.edu/forms. Please allow five business days for processing.

Veterans' certifications are processed by the Military Education and Veteran Services Office. Please allow five business days for processing.

The college also uses National Student Clearinghouse to provide degree and enrollment verifications. Employers or background screening firms requesting this information should visit degreeverify.org.

Cancellation of Classes

Regularly scheduled classes may be cancelled due to snow or other conditions beyond the control of the college. See page 182 for more information.

Classes may be cancelled due to lack of or low enrollment. Registered students will be notified of the change through their student email account by the Office of the Registrar. Students have a choice of selecting other sections and/or other courses or the refund of tuition and fees. It is recommended students speak with Advising if they have questions or concerns.

Registration Schedule Changes

Students wishing to make changes to their schedule following the beginning of any semester/term may do so through the Add/Drop period. Semester/term specific deadlines are published on the Academic Calendar (rcbc.edu/academic-calendar). Students may Add/Drop courses using their student BaronOne/Self-Service account, or by submitting an Add/Drop Form to the Office of the Registrar. A completed form may be submitted using an RCBC student email account by emailing registration@rcbc.edu, or by submitting the form in person during normal business hours. There is a minimum \$20 fee for schedule changes, however some schedule changes may also incur additional costs.

Students who add course(s) on or after the first day of any term will not be dropped for non-payment and must take action to remove themselves from the registered course.

Students who drop course(s) within the published Add/Drop period of a semester/term will receive a 100% refund and no record of the course will appear on the academic transcript.

Withdrawal from Courses

After the specified Add/Drop period, students who do not intend, or, are unable to complete any course for which they are officially registered must complete a Withdrawal form. The student is responsible for completing and submitting the form to the Office of the Registrar on the 2nd floor of the Student Success Center prior to the "Withdrawal Deadline". Semester/term specific deadlines are published on the Academic Calendar (rcbc.edu/academic-calendar). A student may withdraw from a course and receive a grade of "W" up to the end of the ninth week of classes in a regular semester. Withdrawing from a class will result in a "W" grade on the official college transcript. "W" grades do not contribute to a student's grade-point average, but may affect a student's satisfactory academic progress.

It is strongly recommended that students considering this option, speak with Advising and Financial Aid prior to withdrawing. Students who do not officially withdraw prior to the published deadline on the Academic Calendar will receive a grade of "F" or "ST" or "SR" for the course. Students are not permitted to withdraw from courses after the published "Withdraw Deadline", however, exceptions may be made under documented extenuating circumstances. For more information, review the Administrative Withdrawal Request.

Administrative Withdrawal Request

Occasionally, a student may demonstrate the need to withdraw from their registered courses after the Withdrawal Deadline due to an extenuating circumstance. In these instances, students must submit a written request and appropriate supporting documentation for an Administrative Withdrawal to the Office of the Registrar.

Administrative Withdrawal decisions are academic ONLY and do not eliminate a student's financial obligation to the college, regardless of the outcome. Students who receive approval for Administrative Withdrawals are still responsible for their outstanding balances, including but not limited to tuition and fees. Students who wish to seek financial reimbursement should review information for Exceptions & Appeals Petitions on page 18.

Grades of Administrative Withdrawal may be awarded through two means: through the Office of the Registrar, or through the Grade Appeals committee.

Criteria for administrative withdrawal through the Office of the Registrar:

1. Administrative Withdrawal Requests must be submitted using an RCBC student email or in person, and substantiated by official documentation demonstrating the nature of the extenuating circumstance.
2. Requests will only be considered if the date(s) of the extenuating circumstance coincide with the applicable semester/ term in which courses are attempted and demonstrate an impact AFTER the withdrawal date. Students whose circumstances occur prior to the withdrawal date should utilize the "regular" withdrawal process rather than the "administrative" withdrawal. Failure to withdraw by the withdrawal date is not grounds for a grade of AW without a related extenuating circumstance.
3. Requests will only be considered up to 30 business days after the end of the semester in question or 30 days after the documented date of the extenuating circumstance, whichever is later.

4. Administrative Withdrawals will be applied to ALL COURSES taken within the semester/term of the request unless the student can demonstrate that a particular course was not affected by their ability to participate in class. For example, a course may be exempted from an administrative withdrawal if a student's mobility was affected but they were still able to participate in online courses.

A student who does not meet the above criteria for an Administrative Withdrawal may review the criteria and process for a grade appeal, as outlined on page 36; a grade of "AW" may be awarded only by majority of the grade appeal committee and not by any individual staff or faculty member in the grade appeal process.

College Action

Consistent with law, Rowan College at Burlington County reserves the right to dismiss at any time students who in its judgment are undesirable and whose continuation in the school is detrimental to themselves, the staff and/or their fellow students.

When a student is withdrawn from the college as a result of administrative action or for the convenience of the college (except for disciplinary reasons), he/she/they is/are entitled to full refund of tuition and fees. If the student is withdrawn from a course or courses for disciplinary reasons, he/she/they is/are not entitled to a refund.

To Declare or Change a Major

Students must follow the appropriate steps to change and/or declare a new major:

1. Speak with an advisor to determine how a change of major will affect your degree plans.
2. Submit a completed form (available on rcbc.edu/forms) to the Office of the Registrar for processing. It is recommended that students submit the form using their student email account.
3. Students who have been assigned to a Graduation should check in with the Office of the Registrar to ensure that their new major is included in the Graduation.

4. Newly declared majors will begin the following semester, and current majors will remain active until the end of the semester. The Office of the Registrar may make exceptions on a case by case basis.

Reverse Credit Transfer

Students who have declared a major, completed a minimum of 15 credits at RCBC, and transfer to another college or university are eligible to have those future earned credits apply towards their degree at RCBC. The student can expedite the reverse transfer process by requesting a transcript be sent to RCBC from their current institution. Students must notify the Office of the Registrar of their intent to transfer back credits and graduate. RCBC may also arrange the reverse transfer through formal agreements with select colleges and universities. Students have three years to take advantage of this policy without having to reapply to the college.

Student Appeals

College policy establishes the following student-related committees:

Academic Standards Committee

The Academic Standards Committee reviews student appeal of academic dismissal. Forms to appeal academic dismissal are available in the Office of Academic Advisement at the Mount Laurel, Willingboro and Mount Holly campuses.

College Motor Vehicle Committee

The college Motor Vehicle Committee adjudicates appeals against motor vehicle traffic violations issued on campus. Forms are available online at rcbc.edu/conduct.

Student Grievance Committee

The Student Grievance Committee reviews any item not covered by other committees. Appeals can be made through the Office of the Provost.

Services for Student Success

Academic Advising – ext. 1559

Educational Opportunity Fund (EOF) Program – ext. 1462

Student Support Services – ext. 1208

Student Support Counseling – ext. 1582

Academic Advising (rcbc.edu/advising)

The Office of Academic Advising is committed to providing up-to-date information on academic programs consistent with students' degree and/or career objectives. Early academic planning is:

- The key to ensuring students graduate within the expected timeline.
- Part of a successful transition to the job market.
- A component of the transfer process to any four-year transfer institution.

Academic advisors/counselors work with students regarding academic, career, transfer, personal and/or social matters. Academic advising is available through scheduled appointments or walk-in services on the Mount Laurel campus. Limited advising services are available by appointment at the Willingboro Campus. Students are expected to meet with an Academic Advisor at least once per academic semester.

For more details on Academic Advising, go to the Academic Advising website (rcbc.edu/advising).

Assignment to Faculty Advisors

Generally, students in good academic standing may be assigned to a faculty advisor in their major. The goal in assigning students to a faculty advisor is to assist students in planning academic programs consistent with their degree and/or career objectives. The assignments are designed to provide each student with academic information and assistance with managing the college requirements. Faculty advisor assignments will normally remain unchanged until such time as students complete their educational program, change their vocational goal or withdraw from the college.

Transferring to a Four-Year Institution

RCBC has multiple partnerships with in-state and out-of state 4-year colleges and universities. Articulation and Guaranteed Admission agreements have been designed to help students transition to a baccalaureate degree with ease. Transferring to a 4-year college/university involves significant planning. Therefore, all students interested in transferring must begin the planning process early upon entering RCBC. To request a transfer appointment students should schedule an appointment with an academic advisor early in their academic career. They can do so by visiting rcbc.edu/advising.

Educational Opportunity Fund (EOF) Program (rcbc.edu/EOF)

The Educational Opportunity Fund Program, referred to as EOF, was established in 1968 by the New Jersey legislature. The EOF program provides students from economically and educationally challenged backgrounds an opportunity to pursue a degree at New Jersey colleges and universities. The program typically recruits applicants who are the first in their family to attend college, provides innovative support services designed to ensure student engagement, retention, graduation and transfer, and offers financial support to offset the expense of college. To be considered for admission into the program students must:

- Complete the RCBC EOF application which is located on our website, rcbc.edu/eof.
- Enroll for at least six (6) credits and plan to obtain a degree from RCBC.
- Have held legal residence in the state of New Jersey for at least 12 months.
- Plan to transfer to a four-year college after obtaining their RCBC degree.
- Demonstrate financial need determined by completion of the FAFSA and HESAA/NJFAMS applications.
- Complete an interview with the EOF Director.

Selection is based on evidence of promise and potential to succeed at college with the support of EOF and other campus partners. If selected, students are required to sign an agreement to take full advantage of program benefits.

Services for Students with Disabilities (rcbc.edu/student-support)

In accordance with Section 504 of the Americans with Disabilities Act of 1973, the Student Support Services Office's mission is to ensure all students with disabilities are provided access to educational and extracurricular activities while on college premises through support in the form of reasonable accommodations such as adaptive technology, counseling, note-taking assistance and American Sign Language interpreters. Students who have disabilities must provide documentation of disability (ies), attend an intake appointment, and sign a Disability Release Form (found at rcbc.edu/student-support) prior to the start of each semester to ensure reasonable accommodations. Copies of the Dispute Resolution for Students with Disabilities are available from Catherine Briggs, Title IX and Section 504 Coordinator, located in the Student Success Center, room 237 on the Mount Laurel Campus or by calling her at (856) 222-9311, ext. 1235.

Student Support Counseling (rcbc.edu/counseling)

RCBC recognizes that attending college paired with life circumstances, can be stressful and at times overwhelming. RCBC's Office of Student Support provides experienced staff to counsel students who may need support and referral services to assist them in making their college experience successful. Counseling services are confidential, non-judgmental, voluntary, and free of charge to currently registered students. Appointments can be set up by calling (856) 222-9311, ext. 1582 or by using our online request form at: rcbc.edu/counseling/request-form.

CALL Lab (rcbc.edu/student-support)

Located on the first floor of the Mount Laurel Campus Technology & Engineering Center in Room 100, the CALL Lab is designed to provide self-paced, self-administered adaptive technologies for students. The lab is wheelchair accessible and provides special tools and technologies to assist those individuals with visual impairments and learning disabilities. Adaptive technologies include JAWS software, Topaz Magnifier, and more. The lab also offers remediation of documents to be made accessible for all students. For information please call (856) 222-9311, ext. 1202.

Additional Resources and Services

Test Center

(rcbc.edu/testcenter)

Rowan College at Burlington County Test Center provides testing services to the college community. The Test Center is located on the second floor of the Student Success Center on the Mount Laurel Campus. The Test Center administers and proctors exams to both RCBC students as well as external testing customers.

The Test Center also offers the college placement exam. The college placement exam is a computer based exam offered online and by appointment on the Mount Laurel Campus. Scheduled assessments are also offered at the Willingboro Campus, the Mount Holly Campus and Joint Base MDL.

Tutoring Program

(rcbc.edu/tutoring)

Tutoring is available to currently enrolled RCBC students. The program provides academic assistance to students who are experiencing difficulty in their courses, including distance education. The service is available at no additional cost to students on the Mount Laurel and Willingboro campuses. All tutoring takes place in designated locations on college property. Appointments are scheduled at the mutual convenience of the student and tutor.

Anyone interested in becoming a tutor is welcome and encouraged to contact the Learning Center for an interview.

For further details, please contact the Learning Center at (856) 222-9311, ext. 2096.

Career Services

(rcbc.edu/careers)

The Career Services Center provides a full range of free resources and assistance to students and alumni of Rowan College at Burlington County. Through the Career Services online job board system – RCBC CareerLink – local employers post full-time, part-time, seasonal positions and internship opportunities. On campus student employment positions are also posted on CareerLink. Additionally, the Center provides a free career interest assessment and counseling to assist with identifying a career path and choosing a major.

To support the resources listed above, the Career Services Center conducts free workshops throughout the year on career exploration, resume and cover letter writing, improving your online image, networking, using LinkedIn and interview preparation. Individual counseling sessions with a Career Advisor are also available to assist with any career related need. Internship and Job Fairs are held throughout the year. All Workshops are free and open to all students, alumni and community residents.

For more information, email careerservices@rcbc.edu or call (856) 222-9311, ext. 1034.

RCBC CareerLink – rcbc.edu/careerlink

Career Services Location:

Mount Laurel Campus
Student Success Center

Service-Learning Scholars

(rcbc.edu/service-learning)

The Service-Learning Scholars Program provides an opportunity for students to become leaders in campus and community engagement through a guided service-learning experience. Scholars commit to one full year in the program and participate in a minimum of 200 hours of service. The program is highly selective and successful Scholars are awarded a \$1,000 scholarship. For details regarding the application process, interested students should contact servicelearning@rcbc.edu.

Public Safety/Parking

The Rowan College at Burlington County Public Safety Department is committed to enhancing the quality of life on campus by providing the highest level of professional security and safety services. This is accomplished by integrating the optimum combinations of state-of-the-art technology and personal service to the college community.

In accomplishing our mission we are guided by the following values that serve as a foundation for every action we take: Service, Integrity, Respect, Professionalism, Accountability, Mentoring, and Appreciation.

Contact Information

Mount Laurel
(856) 222-9311, ext. 2100

Willingboro
(609) 877-4520, ext. 3100

Mount Holly
(609) 267-5618, ext. 4100

A Public Safety Officer is available 24 hours a day to answer your call at (856) 434-SAFE (7233). At the Willingboro Campus, (609) 877-4520, ext. 3100 and the Mount Holly Campus at (609) 267-5618, ext. 4100, Public Safety is only available during hours of operations. After hours, all incoming emergency calls will be routed from the centers to one of the campuses.

For life threatening emergencies call 911, then Public Safety:

- Explain the nature of the emergency
- Your name
- The building and campus from which you are calling
- Your exact location (room number)
- Answer all questions and do not hang up until the operator is finished

The Public Safety Department has access to all areas, buildings, classrooms, custodial closets, offices, etc. The parking lots, walkways, and outside patios are well illuminated, patrolled, and monitored by the Public Safety Department.

ID Cards

The student ID card is your official college identification and must be carried at all times while on the college premises. Students must obtain an ID card to use college services such as the Library, computer labs, Test Center and College Store. In order to obtain an ID card, students must visit the Public Safety Department during business hours Monday through Friday and by phone call appointment on Saturday. Your current class schedule and valid photo ID are required in order to obtain your ID. There will be a \$20 replacement fee for each additional card required. ID cards are issued seven days per week. Your ID card must be validated each semester by visiting the RCBC Public Safety office nearest you or the RCBC Library, providing a copy of your current class schedule.

Registration of Motor Vehicles

Faculty, staff and students must register their vehicles with RCBC's Public Safety Department. Vehicles can be registered by visiting the Public Safety Department during business hours Monday through Friday and by phone call appointment on Saturday. Vehicles can be registered at the Public Safety Office at each RCBC campus. You must show your state registration and a valid photo driver's license in order to receive your RCBC vehicle registration. All privately owned vehicles driven by students will be parked only in student lots. Failure to comply will result in a citation.

Should a student, faculty or staff member need to temporarily park a vehicle on campus other than the vehicle registered with the RCBC Public Safety Department, the individual must immediately report to the Public Safety Department. A temporary parking pass will be issued for the necessary duration of time. **Failure to comply will result in a citation.**

Users of the college parking lots will be issued two parking decals at no expense. There will be a \$10 charge for additional decals. Decals may be obtained in the Public Safety Office at any RCBC campus. Students must notify Public Safety when a vehicle should be deleted from the Public Safety records.

To obtain an ID card and parking permit, each student must be registered for classes, have paid all charges by the established deadlines, and have a valid photo ID, driver's license, or passport.

Parking is restricted to designated parking lots. Students must park only in designated spaces. Complete parking rules and regulations will be found in the Student Handbook.

Traffic and Parking Violations

Users of the college campus who fail to comply with parking and traffic regulations and parking regulations on college grounds are subject to the following fines:

1. Failure to register a motor vehicle.....\$10
2. Parking violation
First offense\$10
Second offense\$20
Third offense\$30
Four or more offenses\$40
and/or towing and/or
loss of parking privileges
3. Moving violation
First offense.....\$25
Second offense\$40
Third offense\$75
4. Parking violation in posted disabled area without
NJ disabled decal.....\$250
and/or towing and/or
loss of parking privileges
5. A service charge of \$10 will be added to all violations.

PLEASE DO NOT PARK ON THE GRASS, IN FIRE ZONES OR IN THE ROADWAYS.

Failure to pay fines or appeal within the time limits will result in the freezing of student records. Students whose records are frozen may not register at any time in the future until their financial obligation is fulfilled. Fines may be paid by mail or in person at the Accounting Office.

RCBC reserves the right to tow vehicles (at the owner's expense) for traffic violations.

Library

The library serves the information and research needs of RCBC students, faculty and staff. It supports all RCBC programs, provides direct and indirect instruction including research and information literacy training and provides access to a wide variety of physical and online resources that support teaching and learning at the college. The library provides information literacy education through our Library Resource Instruction program and also offers workshops on selected topics such as proper citation and plagiarism prevention techniques.

A Library Information Specialist and a Paraprofessional are available at the library during operating hours, and can be reached by telephone, e-mail, live chat or text message. Messages received outside normal operating hours are answered as soon as possible the next business day. Please contact the library for all of your research and resource needs.

The library is accessible to the entire community and provides free wireless internet access as well as fully equipped computers and portable Chromebooks for student use. RCBC students in credit courses receive a library barcode affixed to their RCBC ID card; for more information on obtaining your library card visit rcbc.edu/library/barcodes. Borrowers may easily place holds and renew items online, by phone, or in-person.

Call (856) 222-9311, ext. 2021, text AskRCBC to (856) 330-3866, email library@rcbc.edu or visit the website at rcbc.edu/library for assistance. Patrons are not permitted to borrow library items without a valid BCLS card or library barcode attached to their ID.

Library Holdings

There are over 27,000 items, both print and non-print (media), in the circulating, reference, reserve and special collections, including many current textbooks. These holdings, as well as over 45,000 e-book titles and thousands of streaming videos, are listed in the library's online catalog. Additional resources, available from anywhere in the world, are provided via inter-library loan services. Electronic

databases, most featuring full text documents, and a substantial e-book collection provide an ever-growing selection of scholarly and reference works and can be easily accessed by staff and students.

Electronic materials can be utilized off-campus, via the internet, using your RCBC library barcode on your RCBC ID and your assigned PIN. Library staff can assist with most access and PIN reset issues during normal operating hours, and there is a 24/7 PIN reset function available from the catalog login screen.

Off-campus access is particularly important for students in the college's Distance Education programs. Online databases and e-books support all college programs. All members of the college community may access resources such as the New York Times and the Oxford English Dictionary from anywhere in the world. The library also maintains special collections on specific topics such as the Professional Development collection for teaching professionals which includes books, DVDs and news journals for educators and the Burlington County Center for Social Justice and Holocaust Studies which includes select books and videos on social issues.

Due to an innovative partnership with the Burlington County Library System, the RCBC library serves the academic needs of Burlington County residents and can provide certain library services not available elsewhere, while at the same time working collaboratively to provide seamless borrowing privileges for most items between and among the county branch locations.

Materials borrowed from the RCBC library can be returned at other county branch locations and vice-versa. The library's catalog is merged with the BLInC (Burlington Libraries Information Consortium) system, to give users potential access to over one million items. Items within the county system, including on- and off-campus holdings can be requested online and received at any participating branch location, including the RCBC library, usually within a few business days.

Other items within the region, state, country or around the world can be requested through the interlibrary loan request form. If your research should lead you to a book, an article or a journal that RCBC does not own, RCBC can borrow them for you to use at RCBC from almost any library in the country. This service is available at no cost to RCBC students and effectively multiplies our holdings to meet your academic needs. Interlibrary loan requests can be placed by clicking the JerseyCat Interlibrary Loan link at rcbc.edu/library.

Library Hours and Contact Information

RCBC's new state-of-the-art Knowledge Commons Library is located on the second floor of the Student Success Center on the Mount Laurel campus and features a technology enhanced 21st century environment for collaborative research including computers, books, portable computing devices and digital media resources as well as group study rooms modeled after corporate meeting spaces. Quieter space for individual study is available at all times.

Visit our website at rcbc.edu/library, call (856) 222-9311, ext. 2021 or email us at library@rcbc.edu with your inquiries.

Fall and Spring Semester Hours

Monday - Thursday:	8 am - 9 pm
Friday:	8 am - 5 pm
Saturday:	11 am - 4 pm
Sunday:	CLOSED

Summer Hours

Monday - Thursday:	9 am - 9 pm
Friday:	9 am - 5 pm
Saturday:	TBA
Sunday:	CLOSED

Library hours may vary. Before making a trip to campus, please visit rcbc.edu/library or call us for specific library hours.

The college may enforce fines, require patron to leave the library and/or impose library access limitations for not complying with library regulations. A list of rules and fines can be found at rcbc.edu/library/help.

Military Education and Veteran Services

The Military Education and Veteran Services Office serves as the focal point of contact for student veterans. The office offers assistance to military affiliated students attending RCBC (Active, Guard and Reserve, Veteran, and military dependents). While primary emphasis is placed on education, information and assistance is provided to students and community residents for veteran, military and military dependent state and federal educational benefits. The staff is sensitive to the needs of veterans and their families. RCBC strives to assure each a successful academic experience.

Application for Benefits

Veterans must be enrolled in a degree-seeking or career training program to be eligible for benefits. First-time RCBC students who believe they are eligible for veterans' educational assistance should apply for benefits at the Military Education and Veteran Services Department. Veterans must submit proper documentation with their application. It may take approximately six to ten weeks to receive the first payment following submission of the application package and certification of enrollment.

Academic Program at Joint Base MDL

RCBC offers courses at the Joint Base MDL Education Centers, as well as on the Mount Laurel campus. Any veteran needing information concerning eligibility for educational assistance is welcome to visit the office or call (856) 222-9311, ext. 1299.

Change in Status

It is essential that every person using Veteran Education benefits contact the Military Education and Veteran Services Department each semester to report their registration, and to make sure they have been certified for that semester. Veterans must also report any course changes during the semester to keep their file updated and to avoid any unnecessary conflict in their pay status.

Veteran Affairs Work-Study Program

Veteran students can participate in the VA work study program. The work-study veterans add an important personal touch to the services provided by the Military Education and Veteran Services Department. These student veterans assist new applicants in the initial process of enrolling in the college and applying for educational benefits, as well as performing Veterans' Office duties. Student veterans are paid with funds provided by the VA work-study program. This program enables them to supplement their income while providing a valuable service to fellow veterans.

Disabled Veterans – Chapter 31

Any veteran with a disability rating from the Department of Veterans Affairs of 10% or more is entitled to apply for Vocational Rehabilitation. Voc Rehab provides payment of tuition, fees, books, and required supplies along with a monthly subsistence allowance. Those veterans who believe they are eligible for Chapter 31 benefits should contact the Military Education and Veteran Services Department for more information.

General Information

Information is available from the Military Education and Veteran Services Department. The number is (856) 222-9311, ext. 1299.

Veteran Absenteeism

Excessive absenteeism can result in benefits being decreased or terminated. The Military Education and Veteran Services Department is kept informed of attendance records and will take appropriate action to prevent overpayments by VA. Reported changes sent to VA are based on the student veteran's date of last attendance.

According to VA, the date of last attendance is defined as one of the following:

1. Date officially withdrawn. A drop/add form must be submitted to the Office of the Registrar.
2. Date that the veteran failed to demonstrate satisfactory progress, as defined by the institution's Standards of Academic Progress.
3. Definite date of last attendance from instructor's records.
4. For classes where attendance is not mandatory, the date is determined from the last activity date reflected in the instructor's records; either the last paper submitted or the last examination completed.

VA does not pay for non-punitive grades such as auditing of a course (AU), or for courses that will not fulfill criteria for graduation in the chosen major. If student veterans anticipate being absent from classes, they should notify their instructors and VA certifying official to discuss the situation with them, which may prevent an excessive absence report.

Note: Coordinate with the instructor and Military Education and Veteran Services if unique military circumstances are preventing you from completing the course. Your instructor may approve an "Incomplete" grade. An "I" is a better option than a failing grade resulting in paying back Tuition Assistance and having to retake the course.

In-County Tuition for Military, Veterans and their Eligible Dependents

Military members, veterans and their dependent family members are eligible to receive in-county tuition regardless of their residence. Members and dependents will be asked to substantiate their military affiliation and dependent status.

Spouses and domestic partners of active duty and activated Guard and Reserve members are eligible for a tuition scholarship. Spouses must follow the RCBC process to receive benefits including mandatory completion of FAFSA and RCBC Scholarship application as well as providing proof of eligibility, and comply with registration deadlines. Registration timelines are limited, and the most current information is available on the website: rcbc.edu/vets.

The Military Spouse Tuition Waiver Program

The Military Spouse Tuition Waiver Program is available to spouses of Active Duty military members who have completed their Federal Financial Aid Application (FAFSA) in its entirety, and received a final status notification. Any necessary appeals or other requirements as determined by Financial Aid must also be completed. If a student is ineligible for grants, tuition will be waived and the student is eligible to register for any open course (excluding culinary) four days prior to the start of every term.

Deployment During a Class

If you receive Military Orders and you have completed more than half of any course, you may be entitled to receive a grade for the completed work. Please discuss the situation with the instructor and coordinate with the Office of Military Education & Veteran Services to determine eligibility. Orders must be provided.

Benefits for Members of the Selected Reserve – Chapter 1606

Effective July 1, 1985, members of the selected reserve of the U.S. Armed Forces may be eligible for Chapter 1606 educational assistance. The Unit Commander will provide a “Notice of Basic Eligibility” (NOBE). Veterans must bring this NOBE in and fill out an application for GI Bill benefits online at gibill.VA.gov. These will be submitted to the DVA with a certification of enrollment at RCBC. Veterans are entitled to 36 months of training under Chapter 1606, and it must be used within ten years of the date of eligibility on the NOBE.

Dependents of Military Personnel and Veterans – Chapter 35

Children and spouses of veterans who died or are permanently and totally disabled as the result of a service-connected disability are eligible for benefits under Chapter 35 of the Montgomery GI Bill.

Children must be between 18 and 26 years of age. Spouses must use the benefit within ten years of becoming eligible.

New Jersey Educational Benefits Veterans Tuition Credit Program

New Jersey offers a stipend to certain veterans who are or were eligible for GI Bill benefits, who served on active duty between December 31, 1960 and May 7, 1975, and who were legal residents of New Jersey at the time of induction, the time of discharge, or for one year prior to application for this benefit.

National Guard Tuition-Free Program

Available to members of the New Jersey National Guard, use of this program requires the student to produce a Commanders Certificate each semester, and file for all available state and federal financial aid for each academic year by completing the Free Application for Federal Student Aid (FAFSA). The FAFSA application can be completed online at fafsa.ed.gov.

Post 9/11 – Chapter 33

Eligibility is for individuals with at least 90 days of aggregate service on or after September 11, 2001 or individuals discharged with a service connected disability after 30 days. You must have received an honorable discharge to be eligible for the post-9/11. The post-9/11 will become effective for training on or after August 1, 2009. Qualifying active duty includes:

- full-time duty in the armed forces, other than active duty for training;
- a call order to active duty under Title 10.

For more information please contact the Military Education and Veteran Services Department at (856) 222-9311, ext. 1299, email vets@rcbc.edu or visit rcbc.edu/vets for the most current information.

VetCenter Outreach for Veteran Counseling

RCBC recognizes the unique experiences of military personnel, and their family members and works with the Trenton Vet Center to conduct on-site counseling for eligible veterans and their family members. The counselor may be reached through the RCBC website (rcbc.edu/vets) or contact the Military Education and Veteran Services Department for the next campus visit. Services are offered free of charge and are completely confidential.

Academic Information/Regulations

Student Attendance Policy

General Attendance Requirement

Students are required to attend and participate in all class, clinical, laboratory, and studio sessions for the full duration of each instructional session.

Faculty are required to record student attendance, and grade penalties for absence will be imposed when a student exceeds a ten-percent non-excused absence rate, not to exceed 10% of the final grade. Class participation may be considered, along with attendance, as a combined or separate grading component according to individual instructors' syllabi. Additionally, students are responsible to be aware of and follow specific program requirements regarding attendance and participation.

Instructors will distribute their attendance and participation expectations at the beginning of the semester, and it is the student's responsibility to understand and adhere to the expectations for each course. Faculty expectations for student attendance and participation are subject to review and approval by the appropriate division Dean.

Students are responsible for communicating with instructors to make reasonable arrangements for the completion of course requirements not completed due to absence.

Appeal Procedure:

Appeals of grades affected by this policy may be made using the most current grade appeals process.

Special Note for Students Receiving Financial Aid and/or Veterans Aid:

Attendance will be reviewed by Financial Aid and Veterans Aid programs, and benefits will be contingent upon compliance with the program's regulations.

Credit Unit and Loads

A credit hour, the unit of credit, is the equivalent of a subject pursued one 50-minute period a week for 15 weeks or 750 minutes of instruction. In general, for laboratory courses, 100 to 200 minutes per week for 15 weeks equals one credit hour. The 15th week of the semester will be exam week. Credits for clinical instruction vary with the program.

The normal academic load for students in the fall and spring semesters is 15-17 credits; the minimum full-time load is 12 credits and the maximum full-time load is 17 credits.

Students who would like to register for an overload – 18 or more credits, must have an overall GPA of a 3.0 or higher. Signed permission from a counselor/academic advisor is required on a schedule which contains an overload.

The normal academic load for students in summer terms is not to exceed a maximum of 10 credits per term.

Students who are receiving financial aid, veterans' benefits, Social Security or other types of aids/grants must carry a 12-credit hour load during the fall or spring semester for full benefits.

International students who have been issued a student visa to attend the college must complete at least 12 credits in the fall and spring semesters. This is a requirement of the U.S. Immigration and Naturalization Service.

Students carrying a load of one to 11 credits are considered part-time students, during the fall or spring semester.

Student Classification (Applied to degree-seeking students only)

Earned Credit Hours	Level
0–28	Freshman
29–64	Sophomore

Phi Theta Kappa

Phi Theta Kappa is the International Honor Society of the two-year college. Each fall and spring semester, invitations to join Chi Iota, Rowan College at Burlington County's chapter, are sent to eligible students. Eligible students have completed at least 12 college-level credits at Rowan College at Burlington County with a cumulative GPA of 3.5 or higher, and have received no grade of D, F, ST, or I and no more than one semester grade of X.

Participation in Assessment Activities

Rowan College at Burlington County is committed to providing each student a quality college experience. In order that we continue to improve the quality of our programs and activities, it is necessary to assess our efforts in student learning, student satisfaction, student development and student involvement. Therefore, students will be requested to participate in college assessment activities.

Educational Technology Statement

Rowan College at Burlington County advocates a technology-enhanced teaching and learning environment. Advanced technological tools may be used in any course section to facilitate instruction. Many of our sections are web-enhanced, which means that some of your work will be submitted or completed online. Web enhancements may include on-line materials, grade books, testing and quizzes and assignment submission.

Many students enjoy the flexibility and convenience that these online enhancements have provided; however, if you have concerns about the technology involved, please speak to your instructor immediately.

Grading System

The following grades are used on the student's permanent record (transcript) for all courses in which the student is enrolled after the initial registration and at the end of the schedule adjustment period (Drop/Add period):

A, B+, B, C+, C, D, F, PS, I, AU, W, AW, NA, SR and ST

Grades remain on a student's permanent record. They may only be changed by the course instructor following approval by the appropriate Division Dean. Extraordinary circumstances will be handled on a case by case basis.

Grades for Developmental Courses*

Developmental courses (those with numerical designations of less than 100) do not count toward graduation and are not computed into a student's grade point average (GPA). Although no grade points are assigned, developmental courses count toward enrollment status (i.e. full-time, half-time, etc.). I contracts may be arranged with the instructor of the course.

<i>Credit Course Grade</i>	<i>Explanation</i>	<i>Grade Points Per Credit Hour</i>
A	Mastery of essential elements and related concepts, plus demonstrated excellence or originality.	4
B+	Mastery of essential elements and related concepts, showing higher level understanding.	3.5
B	Mastery of essential elements and related concepts.	3
C+	Above average knowledge of essential elements and related concepts.	2.5
C	Acceptable knowledge of essential elements and related concepts.	2
D	Minimal knowledge of related concepts.	1
F	Unsatisfactory progress. This grade may also be assigned in cases of academic misconduct, such as cheating or plagiarism.	
I	Temporarily Incomplete. At the discretion of the instructor, a grade of "I" may be assigned when the student cannot complete the requirements of the course during the semester. The grade of "I" is given only by mutual agreement between the faculty member and the student and requires completion of an "I" contract form. The student must complete all grade requirements satisfactorily within 30 calendar days of the onset of the following semester or term. If this condition is not met, the "I" will automatically become the grade assigned in the "I" contract form.	
PS	Pass (for nursing clinical courses only). The student met the objectives of the course with a grade of 80% or better. This is a non-numerical grade that is not calculated into the student's GPA; credits will be applied towards graduation requirements.	
AU	A grade of audit is awarded to a student for a course that they registered for, but do not wish to accrue credit or grade points.	
ST	Designation for students in college-level courses who stopped attending before sufficient evaluations were completed. ST may be assigned in lieu of "F" grade. Instructors will include last date of attendance.	
W	Denotes withdrawal from a course or courses. Any student who withdraws must complete a withdrawal form, stating the reason(s) for withdrawal, within the established semester/term withdraw deadlines. Students may withdraw up to the ninth week of classes in a semester or up to an equivalent time in a given semester or term. The Withdraw Form must be initiated by the student and submitted to the Office of the Registrar in order for the withdrawal to be considered official. Students who fail to withdraw according to established procedures will receive a failing grade for all courses in which they are registered.	
AW	Denotes an administrative withdrawal due to exceptional circumstances.	
NA	Indicates that a student enrolled but never attended a course.	

ESL and Developmental Course Grade

A*	Outstanding: The student has done clearly superior work.
B*	Advanced comprehension of course objectives.
C*	Pass: The student has achieved the objectives of the course and is ready to proceed to the next level.
F*	Unsatisfactory: The student has done unsatisfactory work during the semester.
SR	Designation for students in Developmental courses who stopped attending before sufficient evaluations were completed. SR may be assigned in lieu of "F" grade. Instructors will include last date of attendance.

Final grades for all RCBC courses will be provided electronically at rcbc.edu under the listing for Self-Service

Grading System:

“3+1” Inclusive Education Program with Rowan University

The following grades and grading system will be used for junior year professional level courses in the RCBC-Rowan University 3+1 Inclusive Education program only. These grades will show on the student’s RCBC permanent record (transcript). Any non-professional level courses in the junior year will follow the standard RCBC grades and grading system outlined on page 34 of the catalog.

These grades are required to meet the requirements of alignment with Rowan University’s grading system, and to meet the New Jersey State teacher education requirements. The Office of the Provost, Registrar and the Rowan Relations Director maintain a list of all courses within the Inclusive Education program for which these grades apply. Please contact 3plus1@rcbc.edu for a list of courses.

The Inclusive Education Grade System standard to Rowan University include:

<i>Course Grade</i>	<i>Grade Points Per Credit Hour</i>
A	4
A-	3.7
B+^	3.3
B	3
B-	2.7
C+^	2.3
C	2
C-	1.7
D+	1.3
D	1
D-	0.7
F	0

Semester Grades

Grades are issued at the end of each semester/term. Final grades for all RCBC courses will be provided electronically at rcbc.edu under the listing for Self-Service.

Grade Point Average

To determine grade point average (GPA), multiply the number of grade points for each grade received by the number of credit hours (cr) for the course; then divide the total number of grade points by the total number of credit hours attempted. Grades in courses transferred from another institution are not included in computing grade point average.

Example:

HIS 103	3cr. with a grade "A" (4 points)	= 12
ENG 101	3cr. with a grade "B" (3 points)	= 9
BIO 101	4cr. with a grade "C" (2 points)	= 8
CIS 101	3cr. with a grade "C" (2 points)	= 6
Total points		= 35
Divide 35 grade points by 13 cr.		
2.69 GPA		

Student Grade Appeals

The Student Grade Appeal policy applies to all students enrolled in credit bearing courses, offered under any mode of delivery. The Student Grade Appeal policy offers students an avenue to discuss and resolve problems, in a timely manner that may arise with his/her/their educational progress. This document establishes a policy that defines a grade appeal process that provides due process as articulated in Procedure 217, for students in the event of a final grade dispute with a course professor.

Grade appeals governed under this policy must be formally initiated by a student in a timely manner that shall not exceed the conclusion of the next successive semester of the regular academic year or, in the case of a summer term appeal, the next successive Fall semester. Student grade appeals that do not conform to this deadline for appeal shall be considered untimely and without merit.

This policy requires:

1. A written request for a formal meeting with the course professor related to the grade dispute,
2. A review and recommendation by the divisional Dean, and
3. An appeal to the Provost who will convene the Grade Appeal Committee to review the records relevant to any dispute and make a recommendation to the President or designee, whose decision will be final.

Recognition of Scholastic Achievement

Students who are recommended by the faculty, are honored at the annual Academic Awards Ceremony.

Dean's List

The Dean's List is official recognition by the college of outstanding academic achievement. Students with a declared major are awarded this recognition during the fall and spring semesters. A break in enrollment of two or more semesters/terms results in a restart of the Dean's List calculation. The new calculation will be based on the most recent enrollment.

Note: College Acceleration Program (C.A.P.) courses are not considered for the Dean's List.

A student must complete a minimum of 12 college level credits with no grade lower than a "C" in any given semester, and who further has achieved a semester grade point average (GPA) of 3.50 or higher, to qualify for this honor.

Full-Time Students

1. For purposes of **this** policy, a full-time student shall be defined as an individual enrolled in 12 or more college level credits during a semester or six or more college level credits during a term.

Part-time Students

1. Students enrolled in fewer than 12 college level credits in a semester are eligible for this honor upon the completion of 12 college level credits and thereafter for each additional 12 college level credit interval which they complete. However, lists will only be published following the fall and spring semesters.

2. If a student completes an increment of 12 college level credits during a semester/term, the whole semester/term will be counted. The next increment of 12 credits will start with the following semester/term.
3. Criteria for recognition on the Dean's List is a grade of "C" or better in **unduplicated 12 credit intervals**. The grade point average (GPA) for each 12 credit interval must be 3.50 or higher.

Audit Policy

A student may audit a course if they do not want credit for the course. A student may declare audit status at the time of registration or within the first eight weeks of each semester or up to an equivalent time in a given term. See the Academic Calendar for Audit Deadline dates for specific semesters/terms. An audited course may be dropped during the Drop/Add period. Fees for an audited course are based on the regular credit value of the course. The student record will indicate the no grade, grade points, or credits attempted/ completed will be awarded for an audited course. Once the request to audit a course is processed, the status of the course cannot be changed back to credit earning.

Repeating a Course Conditions

1. Any course may be taken two times. Students may be prevented from enrolling in subsequent course attempts. Permission to exceed this limit may be requested through the student's academic advisor and approved in accordance with procedures as established by the college.
2. The grade of each attempt is entered on the permanent record of the student. However, only the highest grade is computed into the cumulative grade point average (GPA).
3. The credit hours assigned to the course will be counted only once toward meeting graduation requirements regardless of the number of times the course is repeated.

Change of Program or Degree Status

Students who wish to declare or change their major must complete a “Change of Degree Status” form and submit it to the Office of the Registrar. In addition notification of the change of major and a request for an updated evaluation should be sent to registration@rcbc.edu.

Declaring Courses Non-Applicable

The college recognizes that there are times in a student’s academic career, such as a change of major, where courses are no longer applicable towards a student’s current program. This process provides a means by which a student may have certain grades removed from the calculation of her/his/their grade point average (GPA) as a result of a change of her/his/their program of study.

The initial courses and grades remain visible as a permanent part of the student’s academic record; however, their weight is removed from the cumulative grade point average (GPA) calculation. Credits earned in courses declared non-applicable are not considered as credits completed toward graduation. A student must meet with an advisor to complete the application process. This policy may be applied for a student only one time.

Academic Amnesty

This policy allows a student to restart the calculation of her/his/their grade point average (GPA). The requirement and submission for Academic Amnesty are as follows:

1. Student has been away from RCBC for three or more years.
2. Student met with a counselor/advisor Academic Amnesty and completed the Academic Amnesty application.
3. If approved, all previous grades and credits will remain visible on the student’s permanent record, however, their weight is removed from the cumulative grade point average (GPA) calculation.
4. Credits earned in courses included in Academic Amnesty are not considered as credits completed toward graduation. The student’s record will restart with a 0.00 GPA. A student must meet with an Academic Advisor to complete the application process. The approval for Academic Amnesty is limited to one time for any individual.
5. The transcript of the student will continue to reflect all of her/his/their previous grades. However, the transcript will include a line indicating where the old record ends and the new record begins.

If a student has been away from RCBC for three or more years, they may apply for Academic Amnesty by meeting with an advisor and completing the Academic Amnesty application. This application may be filed only one time. For further details please contact the Advisement Office at (856) 222-9311, ext. 1557.

Calculation of GPA

1. All previous grades and credits will remain on the student’s permanent record but will be disregarded in the determination of the new GPA and the fulfillment of graduation requirements.
2. The student’s record will restart with a 0.00 GPA.
3. The transcript of the student will continue to reflect all of her/his/their old grades. However, the transcript will include a line indicating where the old record ends and the new record begins.

Standards for Academic Standing

The Office of Advising and Retention will determine each registered student’s academic standing at the end of the fall and spring semesters. Only college level coursework attempted will be evaluated. The student’s academic standing will be noted on the student record and considered to determine the best course of action for the upcoming academic term.

Students receiving financial aid from federal and state sources must also comply with the provisions of “Special Conditions of Satisfactory Academic Performance and Progress for Financial Aid Recipients,” in order to maintain eligibility for financial aid.

Students using veteran education benefits must also maintain satisfactory progress toward degree completion and failure to maintain this progress must be reported to the Veteran’s Administration which may result in a debt to Veteran’s Affairs.

Definitions

For purposes of this policy the following terms are defined:

Student: An individual enrolled at Rowan College at Burlington County in a degree-seeking program taking college-level or developmental courses.

Full-time Student: An individual enrolled for 12 or more credits during a semester.

Academic Standing

A student is considered to be in good academic standing if she/he/they meets the following two criteria:

1. Has a grade point average (G.P.A.) of 2.0 or higher;
2. Has completed a minimum of 66% of all credits attempted by attaining grades of A, B+, B, C+, C, D, O, P, I and marks, if applicable, of AW, NA, W, or AU in all courses attempted.

(TIER 1) Early Warning

The first semester that a student's cumulative GPA falls below 2.0 and the completion rate is below 66.67%, the student will be placed on Early Warning status.

(TIER 2) Academic Probation

After the Early Warning semester, student's whose cumulative GPA falls below 2.0 and the completion rate is below 66.67% will be placed on Academic Probation status.

The student will receive a letter from the college indicating that registration is restricted and requires the approval of a college academic advisor/counselor.

There are restrictions on online and accelerated courses and a limit of 13 credits per semester. A student placed on academic probation will be notified of that action at the time grades are issued. Further, the student will be informed of the requirement to be interviewed by a college academic advisor/counselor. Students will also be required to participate in a college workshop. A probationary student must obtain approval of all course selections by consulting with a college academic advisor/counselor prior to registering.

A student will be allowed to continue on probationary status provided their semester GPA remains at 2.0 or higher. A student will be removed from academic probation status when his/her /their cumulative GPA has risen to 2.0 or above and the completion rate is above 66.67%. Once removed from probation status for one semester, any student returned to probation status will begin the probation cycle again.

Students using veteran education benefits who are placed on probation must be reported to Veteran's Affairs and will be restricted from receiving benefits at another institution or from changing their program of study until their academic performance returns to satisfactory progress. Please note that veteran education benefits restrict the number of times a course may be repeated.

Students who fail more than one course while using military education/tuition assistance benefits may be required to take two courses demonstrating satisfactory academic progress prior to eligibility for tuition assistance being restored.

(TIER 3) Academic Dismissal

After the probation semester, students whose semester GPA falls below 2.0 will be moved to dismissal status. The student will receive a letter from the college indicating that they are on dismissal status.

Conditions of Dismissal

1. A student who has been dismissed may not enroll in any course which carries academic credit for a period of at least one 15- week semester, with reinstatement occurring only in a fall or spring semester.
2. Permission for a dismissed student to re-enroll in a credit course(s) is granted only by the Academic Standards Committee.

If permission to re-enroll is granted by the Academic Standards Committee, the student must have written approval of a college academic advisor/counselor for course selection. Please note that the Academic Standards Committee will determine which course(s) and the number of credits students will take.

Petition to Re-Enroll in Courses that Carry Academic Credit

Students who are academically dismissed due to poor academic performance, based to the college's Standards for Academic Standing, will need to sit out for a full 15-week semester.

Toward the end of the dismissal period, the student meets with an academic advisor/counselor and completes a Petition to Re-Enroll in Courses that Carry Academic Credit form.

The form is reviewed by the Academic Standards Committee and the student would appear before the Committee. As a result of the Committee meeting with the student, a decision will be rendered regarding a student's next step.

Graduation

All students who have successfully completed all requirements for degrees and academic/career certificates will automatically be graduated from the college. Students must complete the graduation requirements in effect at the time they declared their major, unless the current catalog of record is beneficial for the student, in which case, the student record may be updated.

The Office of the Registrar will create graduation applications for all students who have active degree, academic and/or career certificates programs and have completed 75% of the program. Graduation Applications will be created in the order that majors were added to a student's record. Additional information on automatic graduation can be found on the website (rcbc.edu/graduation).

NOTE: A student cannot graduate until the requirements for "X" and "I" contracts are fulfilled.

Catalog that Applies to a Student's Graduation

A candidate for graduation will be evaluated based on the catalog that is most advantageous for the student. The status of the catalog and/or applicable courses must be active and the catalog year must be on or after the year in which the student matriculated.

Graduation with Honors

Graduation with Honors is official recognition by the college of outstanding academic achievement by a student during the entire period of her/his/their enrollment at the college.

Criteria:

1. To be considered for Graduation with Honors, a student must have earned a minimum of 30 semester hours at Rowan College at Burlington County.
2. Only courses that carry college credits will be used in computing grade point averages (GPA) for graduation.
3. Graduation with Honors is available only to individuals receiving Associate of Applied Science, Associate of Science, Associate of Arts, or Associate of Fine Arts degrees.
4. Requests for exceptions due to circumstances of an extraordinary nature may be submitted to the Provost.

Types of Honors

Cum Laude (Honors) – Required
Cumulative GPA: 3.50 – 3.74

Magna Cum Laude (High Honors) –
Required Cumulative GPA: 3.75 – 3.89

Summa Cum Laude (Highest Honors) –
Required Cumulative GPA: 3.90
& above.

Participation in Commencement Ceremony

Students who wish to participate in the annual May commencement ceremony must meet the following criteria:

1. Student has met all degree requirements for declared degree program by the current year's fall or spring terms or is registered for the final courses necessary to meet degree requirements in the summer term of that same academic year.
2. The Program Evaluation (available through BaronOne/Self-Service or Self-Service account) status is 'Complete' or 'In Progress'.
3. Responded 'Yes' to participate in the annual commencement ceremony.
4. Has a cumulative GPA of 2.0 or higher.

Additional information on participating in Commencement can be found on the website (rcbc.edu/commencement).

Diplomas

Diplomas are ordered at the end of the fall, spring and summer semesters. Students will be notified of pick-up and delivery information via their RCBC email accounts. Diplomas will not be released/mailed if the student owes money to the college. Additional information on diplomas can be found on the website (rcbc.edu/graduation/diplomas).

Multiple Degrees

Students pursuing more than one degree from Rowan College at Burlington County must meet the following criteria:

1. Satisfy the General Education Requirements for each degree,
2. Satisfy the program requirements for each major, and
3. Earn at least 15 additional credits for each declared major beyond the credit requirements for completion of the first degree.

Students pursuing multiple degrees should meet with a college academic advisor/counselor to prepare a program. This should be done prior to the completion of 32 credits.

Transcript of Final Grades

Grades are issued at the end of each semester/term. Final grades are accessible by logging into Self-Service and selecting the 'Grades' link located under the Academic Profile section.

Students may also use Academic Profile to request an official transcript showing degree completion. A review of the transcript information is recommended to ensure that the degree is posted prior to submitting the online transcript request.

Transfer of Academic Record (Transcript)

In accordance with the Family Educational Rights and Privacy Act of 1974, Rowan College at Burlington County is not permitted to release a student's academic record without the student's written permission.

An official transcript bearing the college seal and the signature of the Registrar will be sent directly to another educational institution or employer upon receipt of a written or online Self-Service request from the student. Written requests should be submitted to the Office of the Registrar. Allow at least one week for processing. Transcripts of students who owe money to the college will not be sent until the balance is paid.

To protect the security of student records, any official transcript handled by a student bears the notation "Issued to Student." Most institutions will not accept as official a transcript bearing this notation.

Transcript Errors

Errors on transcripts regarding grades must be brought to the Registrar's attention within **one year** of the occurrence of the error. No changes to the transcript will be made after one year. Under extraordinary circumstances, appeals can be made to the Provost.

Transferring to Four-Year Colleges and Universities

The Convenient, Affordable Route to a Bachelor's Degree

A primary goal of Rowan College at Burlington County is to help prepare students to transfer to four-year colleges and universities. All students who attend Rowan College at Burlington County will be conditionally-accepted to Rowan University. Once the students receive their associate degree, they may attend the university online, on the main campus in Glassboro, on the Camden Campus or for selected programs on Rowan College at Burlington County's Mount Laurel Campus. Certain degrees will require program-specific requirements. RCBC has also created a wide range of transfer opportunities including *Guaranteed Admissions* and *Articulation Agreements*, with a considerable number of colleges and universities. These agreements are designed to help students plan for transfer during the time they are students at RCBC and help ease the process of transfer after they graduate from RCBC.

Transfer to Other Institutions

Students should be aware that RCBC offers four different associate degree programs: the **Associate of Arts (AA)**; the **Associate of Science (AS)**; the **Associate of Fine Arts (AFA)**; and the **Associate of Applied Science (AAS)**. The AA and AS degrees are designed to provide the freshman and sophomore level courses for a baccalaureate program and therefore, are designated as *Transfer Degree Programs* at RCBC. The AAS and the AFA programs are not designed for transfer. Students should be aware of this distinction so they do not experience disappointment if they seek to transfer to four-year schools.

Students planning to transfer to four-year schools are advised to speak with an academic advisor early in their academic program at RCBC. Advisors will assist students in developing an academic plan for graduation from RCBC and transfer to four-year schools. In addition, students should consult the catalogs and websites of the schools they are interested in to learn more about their academic programs and requirements. Students can also access information about many New Jersey four-year institutions through NJ Transfer at njtransfer.org.

Premier Partnership with Rowan University

Graduates of RCBC have the opportunity to stay in Mount Laurel for a BS or BA through the 3+1 program. RCBC graduates enrolling in programs offered through Rowan Global (online, in Mount Laurel, or in Camden) will receive a 15% discount off of the prevailing on-campus Rowan University tuition and fees. RCBC and Rowan University offer 2+2 and 3+1 programs. Please visit rcbc.edu/rowan for a list of degree offerings. RCBC students are automatically admitted to Rowan University, if students graduate from RCBC with an Associate of Arts or Science degree, complete prerequisite course requirements, and meet the GPA standards of each program. The tuition discount will not apply for RCBC graduates who continue onto to the University in Glassboro. For more information, visit rcbc.edu/rowan.

Guaranteed Admissions Programs

Rowan College at Burlington County's Guaranteed Admissions Programs are an inexpensive way for students to complete their bachelor's degrees by providing a seamless transfer of courses and credits from RCBC to many four-year colleges and universities. Through this program, students are guaranteed admission to "partner schools" from RCBC provided that all criteria associated with the Guaranteed Admission Program have been fulfilled.

Students who are interested in transferring into one of the Guaranteed Admissions partner schools should contact the Advising Office during their first semester at RCBC. (GAP) and the criteria for successful transfer through GAP can be found on the rcbc.edu/transfer website. Students should meet with an advisor to complete the GAP application and confirm their transfer plans.

Degree Completion Programs at RCBC

After earning an associate degree, students can pursue a bachelor's degree at RCBC with our onsite partners:

Rowan University, Rutgers University – School of Business Camden and Wilmington University each provide their same quality programs with their own faculty in RCBC classrooms. These partnerships allow RCBC graduates to enroll in a high-quality baccalaureate program while remaining in Burlington County. To learn more about a four-year degree program at RCBC, contact the Academic Advising Department at rcbc.edu/advising or (856) 222-9311, ext. 2737.

Students may also contact each onsite partner directly:

Rowan University
(856) 222-9311, ext. 2222
aoneil@rcbc.edu

**Rutgers University –
School of Business Camden**
(856) 225-6135
cal.maradonna@rutgers.edu

Wilmington University
(856) 291-7400
louise.l.babuschak@wilmu.edu

Transfer Tips

- Be certain you are enrolled in an academic program that is designed for transfer (A.A. and A.S. degree programs are designed for transfer, while most A.A.S. and A.F.A. programs are not).
- Meet with an Advisor early in your academic career at RCBC to talk about your interests and transfer goals; learn how RCBC can help you transfer; and build an academic plan for graduation from RCBC and transfer to four-year schools.
- Begin to identify schools that have the major(s) you are interested in. Students can visit the RCBC advising website to use college search engines to assist them in their research on four year college/universities.
- Arrange to visit the four-year schools you are interested in and meet with admissions representatives and faculty who can tell you more about their academic programs and requirements.
- Arrange follow-up meetings with an Academic Advisor regarding your transfer plans.
- Make sure you are aware of the application process and deadline dates for the schools you are considering for transfer.
- Study hard and set aside the appropriate amount of time for your academic work each semester so you can earn the best grades possible.

The CEEB college code for Rowan College at Burlington County is 2180.

Student Life, Government, Clubs & Organizations

Office of Student Life

The Office of Student Life is located on the first floor of the Student Success Center in Mount Laurel. For information about clubs, organizations, and Student Government you may call (856) 222-9311, ext. 2251. If you need information about intramurals or recreational activities, please call (856) 291-4257.

Student Participation in College Governance

Students have opportunities to participate in the college decision-making process through the Student Government Association and Student Senate. Please call (856) 222-9311, ext. 2251 for details on how you can participate.

Student Government Association

Student Government is composed of a group of active students involved in representing the interests of the associated students of RCBC on college governance committees and programs. Participation allows a student to work cooperatively with fellow students, faculty, staff, and administration. The RCBC Student Government is composed of the following branches: Executive Board, Programming Board and Student Senate.

Clubs and Organizations

In order for a club or organization to be officially recognized, students must follow the procedure for recognition developed by the Office of Student Life. If you would like to form a new organization on campus please visit the Office of Student Life, located on the first floor of the Student Success Center in Mount Laurel or contact studentlife@rcbc.edu.

Recognition allows funding for events and the use of a variety of college facilities. All clubs, in addition to adhering to the stated purpose of the group, are involved in campus service projects. Clubs bring to the college a variety of events including but not limited to speakers, films, and entertainers.

A list of current clubs and organizations can be viewed via the Student Life online engagement system, Campus Labs, at rcbc.edu/campus-labs. New groups are always being formed. Current recognized student organizations include:

- American Sign Language Club
- Art
- Book Club
- Business Club
- Campus Crusade for Christ
- Computer Science Club
- Creative Arts Guild
- Criminal Justice Club
- Dental Hygiene Club
- Diagnostic Medical Sonography Club
- Education Club
- Environmental Club
- EOF Club
- Fashion Design Club
- Film Club
- Gamers Club
- Gay Straight Alliance
- Human Services Club
- International Students Club
- Lamplight Players
- Marketing Club
- Math Club
- Phi Theta Kappa
- Philosophy Club
- Psychology Club
- Radiography Club
- Student Government Association
- Student Nurses Association

Campus Involvement

The Office of Student Life understands that RCBC students are busy, so we've come up with a way for you to get involved in student life without having to take time away from your job, friends, or academics. By using our online platform, Campus Labs, students can easily access information on campus activities and student clubs.

Campus Labs is available on your computer, tablet, or phone. It provides students with a way to meet new students, join clubs, get information about activities, weigh in on polls, voice your student concerns, and so much more. You can access the system through your Baron One account, just look for the Campus Labs tile when you log in.

Do you have questions? Contact the Office of Student Life at (856) 222-9311, ext. 2251 or email studentlife@rcbc.edu and we'll be more than happy to help.

Public Notices

Any student wishing to post public notices must have them approved by the Office of Student Life. Notices may only be placed on official bulletin boards.

Student Areas on Campus

There are various areas on campus where students can congregate for social interaction. These areas include:

Student Lounges

There are a number of lounge areas situated throughout college buildings. All activities in lounges must be requested through the Office of Student Life.

On the Mount Laurel Campus, there are a number of different lounges available for students located in each building. A list and description of each lounge and student space on campus can be found at rcbc.edu/student-life/lounges.

Cafeteria

The Mount Laurel Campus cafeteria is located on the first floor of the Student Success Center. The cafeteria is a main gathering place for students. It is a self-busing area and your cooperation is requested in keeping it clean.

Special Programs and Courses

Service-Learning

Rowan College at Burlington County offers students the opportunity to participate in Service-Learning activities. Service-Learning enhances the academic curriculum by extending learning experiences outside the classroom. It encourages students to develop a sense of civic responsibility and caring for others. Students will devote a specified number of hours to community service through the coordination of their classroom instructor. Interested students should check with their instructor or contact the Service-Learning Coordinator at (856) 222-9311, ext. 1601.

Workforce Development Institute (rcbc.edu/workforce)

The Workforce Development Institute was established in July 2015, bringing county and college workforce development resources together to better serve job seekers and employers in the region.

A model of shared services, the institute includes Business Engagement (including Community Outreach and Career Services), Professional & Continuing Education, Grants, and Adult Basic Education. It is the regional center for workforce development initiatives and resources to assure our community has a quality workforce to meet the changing needs of the labor market.

The Institute works closely with leading local employers to align the workforce development training and educational programs with the skills employers and employees need today and in the future.

Workforce Training Programs (rcbc.edu/workforce/training)

Many of the programs developed offer industry recognized credentials to address the ongoing need for a highly skilled workforce. The Institute offers college credit (*see offerings noted with an **) for many of these certificate courses to further enhance educational opportunities and support an increasingly diverse set of skills necessary for employment.

It provides easy access to demand-driven and comprehensive employment, educational, training and economic development services to meet the needs of job seekers, employers and the community such as:

- Health Professions Certifications*
- Supply Chain & Logistics Certifications*
- Computer Technology Certifications*
- Manufacturing Industry Certifications*
- Management Certificates
- Human Resources Certification
- Entrepreneurial Certificate
- Professional Licensing Preparation
- Career & Placement Services
- Learning is for Everyone (LIFE)
- Customized Workforce Training
- On-the-Job Training & Apprentices programs
- Labor Market Analysis and Information
- Career Pathway Consultation
- Emergency Training

All of our programs offer quick entry into the workforce. Many offer industry-recognized credentials and college credit. For more information on specific programs eligibility, email noncredit@rcbc.edu or call (856) 222-9311, ext. 2323.

Air Force GEM

(General Education Mobile)

RCBC is one of the first colleges to support the GEM (General Education Mobile) program and consistently offers one or more of the core courses online in every general education area required for all CCAF degrees. Many courses are also offered in seven-week military terms on Joint Base MDL in addition to our extensive online offerings that meet all GEM requirements. Please visit rbc.edu/gem for specific course offerings and enrollment information.

Servicemembers

Opportunity College (SOC)

Rowan College at Burlington County has been designated as an institutional member of Servicemembers Opportunity Colleges (SOC), a group of over 400 colleges and universities providing voluntary postsecondary education to members of the military throughout the world. As an SOC member, Rowan College at Burlington County recognizes the unique nature of the military lifestyle and has committed itself to easing the transfer of relevant course credits, providing flexible academic residency requirements and crediting learning from appropriate military training and experiences. SOC has been developed jointly by educational representatives of each of the Armed Services, the Office of the Secretary of Defense and a consortium of 13 leading national higher education associations. It is sponsored by the American Association of State Colleges and Universities (AASCU) and the American Association of Community Colleges (AACC).

Distance Education

Rowan College at Burlington County has been actively involved with distance learning since 1978, providing classes for those who want or need an alternative to classroom based courses. Each semester classes are offered which span the disciplines from Art to Music and from Biology to Physical Science. Our online courses utilize a state-of-the-art course management system to deliver dynamic college level instruction over the Internet. Online courses typically include textbook readings, web-based resources, interaction with highly qualified faculty, interaction with fellow students, projects and exams. College faculty are available to answer questions and direct student learning. Distance Education courses are fully accredited and part of the curriculum, allowing students to learn whenever and wherever it's convenient for them, while satisfying degree requirements. Students who are self-motivated and highly organized tend to be successful in Distance Education courses. For the latest and most up-to-date information on distance learning and current course offerings, please visit our website at rbc.edu/distance-education or contact the Office of Distance Education by emailing dlearn@rbc.edu or by calling (856) 222-9311, ext. 1790.

Developmental Education Courses

(Students whose native language is English)

Developmental education courses provide students with the skills needed to succeed in college. These courses are designed to serve several types of students, including the student:

1. who has been away from school for some time and needs to “brush up” in some area of study,
2. who did not complete a college preparatory program in high school,
3. whose placement assessment scores indicate the probability of future difficulty in successfully completing college-level courses,
4. whose SAT scores fall below 540 in Verbal/Critical Reading and/or 500 in Math.

The college offers a variety of developmental courses. These courses are not calculated as part of a student's grade point average and do not count towards graduation. Students who place into developmental courses must see an academic advisor to register for courses. These students are permitted to enroll in college-level courses once the appropriate developmental courses have been successfully completed.

Students who take developmental courses in English, Reading, Mathematics or Algebra skills, may extend the time required to graduate.

English as a Second Language

(Students whose native language is not English)

Students whose native language is not English often need specialized instruction in English before attempting college-level courses. RCBC offers a program in English as a Second Language for this purpose.

Participation in the program is open to all students, both full-time and part-time. Courses included in the ESL program are in Reading, Writing, Speaking and Listening, Grammar, TOEFL, and English for Academic Purposes. Interested students can look for a complete list of courses on pages 160-161.

RCBC's vocational opportunities are accessible without regard to race, color, national origin, sex or handicap.

For more information please contact the Office of International Programs, (856) 222-9311, ext. 1350 or 2232.

Courses included in the ESL program

		<i>Credits</i>
ESL 066	ESL Reading I	4
ESL 067	ESL Reading II	4
ESL 068	ESL Reading III	4
ESL 074	Intermediate Intensive Grammar	4
ESL 076	ESL Writing I	4
ESL 077	ESL Writing II	4
ESL 078	ESL Writing III	4
ESL 081	Speaking and Listening I	4
ESL 082	Speaking and Listening II	4
ESL 083	Speaking and Listening III	4
ESL 093	ESL English for TOEFL I	4
ESL 094	ESL English for TOEFL II	4
ESL 097	ESL English for Academic Purposes	4

For information about ESL courses, contact the ESL office at (856) 222-9311, ext. 1599.

Study Abroad

Students may apply to study abroad through Rowan College at Burlington County. Several world locations are available for academic semesters or summer offerings. Information about the application process and eligibility requirements is available at rcbc.edu/study-abroad or by contacting the Study Abroad Coordinator.

Student Conduct and Responsibilities

As a Rowan College at Burlington County student, you are a member of the college community. All RCBC students are considered to be adults in the eyes of the college and are expected to conduct themselves accordingly. Students are ultimately responsible for their own conduct and the conduct of their guests and visitors.

The Student Code of Conduct and the college policies and procedures are designed to ensure that students are aware of acceptable and appropriate behavior on campus, in classrooms, on campus trips, online and in the community. **Students can access the Code of Conduct online at rcbc.edu/conduct.**

Students also have rights and responsibilities while taking classes on campus or online.

Students have a right to:

- Mutually respectful interactions with other students, faculty and staff
- Knowledgeable faculty and staff
- Receive student-focused college services and support as appropriate
- Discuss various ideas in a civilized manner in and outside of the classroom
- Feel safe on campus
- Access campus policies and procedures
- Access to technology and other resources
- Receive timely communications regarding campus information and updates
- Receive timely follow ups to questions or concerns
- Receive accommodations for disabilities with appropriate documentation
- Due process in addressing matters such as behavioral or academic disputes
- The confidentiality of their educational records as referenced in the published catalog policy
- Discuss policy, procedures and campus changes through the Student Government and other appropriate channels

Students have a responsibility to:

- Take ownership of their educational planning including academic requirements for their degree
- Maintain good academic standing
- Prepare for class and complete course requirements
- Minimize distracting behavior that could impact other students' learning
- Follow standard expectations for student behavior, including following the code of conduct and civility policies
- Engage in mutually respectful interactions with other students, faculty and staff
- Self advocate, seek help and provide documentation when needed to support requests for assistance or support
- Report suspicious behavior, follow established campus rules and exercise driving and parking lot etiquette
- Follow college deadlines for registration and services
- Not share passwords for email and other college systems or disclose private information about others
- Check email regularly for communication from the college and instructors
- Be aware of college finances and make payment arrangements prior to deadlines
- Understand student rights, campus services, and college policies and procedures
- Use college resources appropriately and respect college facilities

For more information on the Student Code of Conduct procedure, prohibited behavior, or the Hearing Process for violations, please visit rcbc.edu/conduct.

Title IX Procedure Overview

Rowan College at Burlington County seeks to provide a campus environment free from all forms of harassment and discrimination. Students and staff are encouraged to report any incidents of gender-based misconduct, such as

- Quid Pro Quo Sexual Harassment
- Title IX Sexual Harassment
- Sexual Assault
- Domestic or Dating Violence
- Stalking
- Retaliation

RCBC offers options for reporting concerns that involve gender-based misconduct and harassment that may be considered Title IX incidents:

- **Confidential reporting is available.** For students, the reporting through the identified staff members in Student Support provide an option for either confidential counseling services or both counseling and official reporting. Support for students seeking confidential reporting can make an appointment online through rcbc.edu/counseling or call (856) 222-9311, ext. 1585 For staff members, confidential counseling is available through the employee resource services via Human Resources.

- **Private, non-confidential reporting** is available for individuals seeking to report an incident for investigation by the college or other law enforcement office. Students or staff reporting in this manner will also be offered support counseling as the report and investigation process is initiated. An online reporting form is available at rcbc.edu/titleIX.

Contact Information for RCBC Title IX Coordinator:

Reports submitted through the private, non-confidential reporting to a responsible reporter, online reporting form submissions, or reports initiated with the Office of Public Safety are all submitted to the Title IX Coordinator.

The contact information for the Title IX Coordinator is:

Catherine R. Briggs, Ed.D.
Dean of Student Success / Title IX Coordinator
(856) 242-5391
cbriggs@rcbc.edu

Additional details regarding reporting forms, investigation processes, responsible reporters, and support resources are available at rcbc.edu/titleIX.

Academic Programs

Associate of Fine Arts (A.F.A.)

The Associate of Fine Arts degree provides students with a concentrated focus and immersion into the fine arts. It may be used as a transfer program.

Associate of Arts (A.A.)

The Associate of Arts is a transfer degree designed to complete the first half of a baccalaureate or four-year liberal arts degree program. Traditionally, the purpose of this degree has been to give students a broad, highly academic background in the fine arts, humanities, and social sciences.

Associate of Science (A.S.)

The Associate of Science degree offers students a program emphasizing coursework in mathematics, the sciences, business or certain health sciences fields. The Associate of Science is a transfer degree and is designed to complete the first half of the requirements for a baccalaureate.

Associate of Applied Science (A.A.S.)

This degree differs from the Associate of Arts and Science degrees previously outlined because the Associate of Applied Science degree is not generally intended as a transfer program.

It is a degree that emphasizes career preparation for job entry after graduation. Credits earned in these degree programs may be applicable to a four-year degree depending upon the institution and the content area.

Academic Certificate Programs

Some career areas require less than two years of postsecondary education for entry into the field. At Rowan College at Burlington County, these programs are generally one year in duration and include courses specifically related to career requirements as well as general education courses designed to assist students to better understand the world in which they live and work.

Career Certificates

Career Certificates encompass courses specifically related to employment requirements. In some cases, general education coursework may also be required.

Degree Requirements

Rowan College at Burlington County offers four degrees: the Associate of Arts, Fine Arts, Associate of Science, and the Associate of Applied Science. In addition, the college offers a variety of one-year certificate programs, certain special programs, non-credit programs, and workshops for the college and the community.

Advisory Statement

All degree-seeking students must show an ability to benefit from college-level courses. Proficiency is demonstrated either by receiving appropriate scores on the College Assessment or by completion of course work in the areas where the student did not receive appropriate assessment scores.

All degree-seeking students must demonstrate proficiency in reading, writing, and mathematics. Students who successfully achieve a passing grade on the College Assessment or are exempt should register for ENG 101 during their first semester. Students enrolled in a developmental writing course must follow the appropriate sequence of courses leading to ENG 101.

Students who have not completed ENG 101 at the point of having attempted 15 college-level credit hours (100 or higher), should enroll in ENG 101 concurrently with their other coursework.

If the selected program requires a second written communication course and students have not completed this course at the point of having attempted 32 college-level credit hours, they should enroll in the appropriate English course concurrently with their other coursework.

Students who successfully achieve a passing grade on the algebra portion of the College Assessment or are exempt should refer to the catalog page describing their program of study. Generally, AS and AAS Degree programs require or recommend specific mathematic courses to fulfill the general education mathematics requirement. Students may enroll in MTH 107 or a higher mathematics course if a specific mathematics course is not required.

Degree Requirements

To receive an associate degree (A.A., A.F.A., A.S., A.A.S.) students must:

1. apply and be admitted to the program in which they seek a degree.
2. complete the General Education Requirements for the degree sought.
3. fulfill all the course and credit hour requirements with a cumulative 2.0 GPA for their particular curriculum as outlined in the Academic Programs section of the catalog.
4. complete at least 25% of the credits required in attendance at Rowan College at Burlington County.
5. fulfill all financial obligations to the college.
6. apply for graduation. Applications are available online through Self-Service and at the Mount Laurel Campus and the Willingboro Campus. See page 39 for more information about Graduation.

General Education Philosophy

Rowan College at Burlington County is committed to providing educational opportunities shaped by the traditions of higher education and the demands of the contemporary world. The General Education program provides a foundation in the knowledge and skills needed to develop a life of personal fulfillment and contribution to society.

Students enrolled in the General Education requirements will be able to:

- Communicate effectively in both speech and writing.
- Use appropriate mathematical and statistical concepts and operations to interpret data and to solve problems.
- Use the scientific method of inquiry, through the acquisition of scientific knowledge.
- Use social science theories and concepts to analyze human behavior and social political institutions and to act as responsible citizens.

- Use computer systems or other appropriate forms of technology to achieve educational and personal goals.
- Analyze works in the fields of art, music or theater; literature; and philosophy and/or religious studies; and will gain competence in the use of a foreign language.
- Understand historical events and movements in World, Western, non-Western or American societies and assess their subsequent significance.
- Understand the importance of a global perspective and culturally diverse people.
- Understand ethical issues and situations.

The General Education requirements are grouped into major categories (Communication, Mathematics, Science, Social Science, Technology, Humanities, History, Diversity, Ethical Reasoning and Action) and by degree (A.A., A.F.A., A.S., or A.A.S.)

Students have considerable flexibility in selecting courses in most of the categories. However, there are some categories where the options are limited. These courses are called the core curriculum. It is the philosophy of the college that all students graduate with knowledge, skills, and abilities in a core of courses regardless of major. These core course requirements are identified on pages 51-55.

NOTE: Specific General Education Requirement courses are required and suggested for each program. See each program page for specific requirements and suggested coursework.

General Education Requirements

Associate of Arts (A.A.) Degrees *See appropriate program page in catalog for recommended/required course(s).*

1. Written and Oral Communications – 9 credits

ENG 101	College Composition I
ENG 102	College Composition II
*‡ SPE 102	Public Speaking

2. Mathematics – 3 credits

MTH 107	Introduction to Statistics OR higher math course
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3. Natural Science – 7 or 8 credits

Group A –	4 credits chosen from:
BIO 103 & 104	General Biology I and Lab
BIO 107 & 108	General Biology II and Lab
BIO 110 & 111	Fundamentals of Anatomy and Physiology I and Lab
BIO 114 & 115	Fundamentals of Anatomy and Physiology II and Lab
BIO 120 & 121	Basic Biology and Human Affairs and Lab
BIO 130 & 131	Environmental Science and Lab
BIO 155 & 156	Basic Microbiology and Lab
BIO 208 & 209	Human Anatomy and Physiology I and Lab
BIO 212 & 213	Human Anatomy and Physiology II and Lab
CHE 107 & 108	Chemistry and Lab
CHE 115 & 116	General Chemistry I and Lab
PHY 110 & 111	Principles of Physics I and Lab
PHY 112 & 113	Principles of Physics II and Lab
PHY 120 & 121	Introduction to Astronomy and Lab
PHY 210 & 211	General Physics I and Lab
PHY 212 & 213	General Physics II and Lab
PSC 105 & 106	Physical Science I and Lab
PSC 107 & 108	Physical Science II and Lab
Group B –	3 or 4 additional credits chosen from Group A (above) or any 101 or higher course from BIO, CHE, PHY or PSC.
PHY 107**	Fundamentals of Physics
SST 100**	Principles of Sustainability

4. Technology – 3 credits

CIS 101	Computing Essentials
CIS 161	Computer Applications

5. Social Science – 6 credits

Take 6 credits from different disciplines from the following:	
ANT 102	Introduction to Cultural Anthropology
ANT 103	Biological Anthropology
ECO 203	Principles of Microeconomics
ECO 204	Principles of Macroeconomics
GEO 102	Principles of Geography
POL 101	American National Gov't & Politics
POL 103	Comparative Government and Politics
POL 220	Western Political Thought
POL 250	International Politics
*‡ PSY 101	Introduction to Psychology
PSY 251	Child and Adolescent Psychology
PSY 256	Developmental Psychology
*‡ SOC 101	Principles of Sociology
*SOC 160	Society, Ethics & Technology

6. Arts and Humanities – 9 credits

Group A – 3 credits chosen from:

ART 101	Introduction to Art
MUS 101	Music Appreciation
*‡ PHI 101	Introduction to Philosophy
THR 101	Introduction to Theatre
Group B –	6 additional credits chosen from Group A (above) or:
ART 250	Art History I
ART 251	Art History II
ASL 101	Elementary American Sign Language I
ASL 102	Elementary American Sign Language II
ASL 201	Intermediate American Sign Language I
ASL 202	Intermediate American Sign Language II
CHI 101	Elementary Chinese I
CHI 102	Elementary Chinese II
FRE 101	Elementary French I
FRE 102	Elementary French II
FRE 201	Intermediate French I
HIS 101	United States History I
HIS 102	United States History II
HIS 103	Ancient and Medieval Foundations of Western Civilization
HIS 104	Modern European History
HIS 230	Islamic Civilization
HIS 266	African-American History I
HIS 267	African-American History II
ITA 101	Elementary Italian I
ITA 102	Elementary Italian II
LIT 203	Masterpieces of World Literature I
LIT 206	Women's Literature
LIT 207	British Literature I
LIT 208	British Literature II
LIT 209	American Literature I
LIT 210	American Literature II
LIT 218	Literature and Film
LIT 220	Shakespeare
MUS 105	Music Fundamentals
PHI 105	Introduction to Logic
PHI 112	Eastern Philosophy
*PHI 205	Ethics
REL 205	Comparative Religion
SPA 101	Elementary Spanish I
SPA 102	Elementary Spanish II
SPA 201	Intermediate Spanish I

***This course is only 3 credits.*

continued on next page

General Education Requirements

Associate of Arts (A.A.) Degrees

See appropriate program page in catalog for recommended/required course(s).

7. History – 6 credits

HIS 101	United States History I
HIS 102	United States History II
HIS 103	Ancient and Medieval Foundations of Western Civilization
HIS 104	Modern European History
HIS 106	World History II
HIS 230	Islamic Civilization
HIS 266	African-American History I
HIS 267	African-American History II

8. Diversity – 3 credits

Three credits chosen from:

ANT 102	Introduction to Cultural Anthropology
ASL 103	American Deaf Culture
ASL 201	Intermediate American Sign Language I
ASL 202	Intermediate American Sign Language II
FRE 201	Intermediate French I
HIS 213	Genocide
HIS 230	Islamic Civilization
HIS 266	African-American History I
HIS 267	African-American History II
LIT 203	Masterpieces of World Literature I
LIT 206	Women's Literature
LIT 211	Masterpieces of World Literature II
LIT 216	Poetry of the Holocaust
LIT 217	The Holocaust in World Literature
PHI 112	Eastern Philosophy
REL 205	Comparative Religion
SOC 209	Introduction to Women's Studies
SOC 210	Minority Groups
SPA 201	Intermediate Spanish I

**This course meets the ethical reasoning and action goal. † This course meets the information literacy action goal.*

General Education Requirements

Associate of Science (A.S.) Degrees

See appropriate program page in catalog for recommended/required course(s).

1. Written Communications – 6 credits

ENG 101	College Composition I
ENG 102	College Composition II

2. Mathematics – 3 credits

MTH 107	Introduction to Statistics OR higher math course
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3. Natural Sciences – 7 or 8 credits

Group A –	4 credits chosen from:
BIO 103 & 104	General Biology I and Lab
BIO 110 & 111	Fundamentals of Anatomy and Physiology I and Lab
BIO 120 & 121	Basic Biology and Human Affairs and Lab
BIO 130 & 131	Environmental Science and Lab
BIO 155 & 156	Basic Microbiology and Lab
BIO 208 & 209	Human Anatomy and Physiology I and Lab
BIO 212 & 213	Human Anatomy and Physiology II and Lab
CHE 107 & 108	Chemistry and Lab
CHE 115 & 116	General Chemistry I and Lab
PHY 110 & 111	Principles of Physics I and Lab
PHY 112 & 113	Principles of Physics II and Lab
PHY 120 & 121	Introduction to Astronomy and Lab
PHY 210 & 211	General Physics I and Lab
PHY 212 & 213	General Physics II and Lab
PSC 105 & 106	Physical Science I and Lab
PSC 107 & 108	Physical Science II and Lab
Group B –	3 or 4 additional credits chosen from Group A (above) or any 101 or higher course from BIO, CHE, PHY or PSC.
PHY 107**	Fundamentals of Physics
SST 100**	Principles of Sustainability

4. Social Science – 6 credits

Take 6 credits from different disciplines from the following:	
ANT 102	Introduction to Cultural Anthropology
ANT 103	Biological Anthropology
ECO 203	Principles of Microeconomics
ECO 204	Principles of Macroeconomics
GEO 102	Principles of Geography
POL 101	American National Government & Politics
POL 103	Comparative Government and Politics
POL 220	Western Political Thought
POL 250	International Politics
*‡ PSY 101	Introduction to Psychology
PSY 251	Child and Adolescent Psychology
PSY 256	Developmental Psychology
*‡ SOC 101	Principles of Sociology
*SOC 160	Society, Ethics and Technology

5. Arts and Humanities – 3 credits

Three credits chosen from:	
ART 101	Introduction to Art
MUS 101	Music Appreciation
MUS 105	Music Fundamentals
*‡ PHI 101	Introduction to Philosophy
THR 101	Introduction to Theatre

6. History – 3 credits

Three credits chosen from:	
HIS 101	United States History I
HIS 102	United States History II
HIS 103	Ancient and Medieval Foundations of Western Civilization
HIS 104	Modern European History
HIS 106	World History II
HIS 230	Islamic Civilization
HIS 266	African-American History I
HIS 267	African-American History II

7. Diversity – 3 credits

Three credits chosen from:	
ANT 102	Introduction to Cultural Anthropology
ASL 103	American Deaf Culture
ASL 201	Intermediate American Sign Language I
ASL 202	Intermediate American Sign Language II
FRE 201	Intermediate French I
HIS 213	Genocide
HIS 230	Islamic Civilization
HIS 266	African-American History I
HIS 267	African-American History II
LIT 203	Masterpieces of World Literature I
LIT 206	Women's Literature
LIT 211	Masterpieces of World Literature II
LIT 216	Poetry of the Holocaust
LIT 217	The Holocaust in World Literature
PHI 112	Eastern Philosophy
REL 205	Comparative Religion
SOC 209	Introduction to Women's Studies
SOC 210	Minority Groups
SPA 201	Intermediate Spanish I

*This course meets the ethical reasoning and action goal. ‡ This course meets the information literacy action goal. **This course is only 3 credits.

General Education Requirements

Associate of Applied Science (A.A.S.) and Associate of Fine Arts (A.F.A.) Degrees

See appropriate program page in catalog for recommended/required course(s).

1. Written and Oral Communications – 6 credits

ENG 101	College Composition I
ENG 102	College Composition II
*‡ SPE 102	Public Speaking

2. Mathematics – 3 credits

See appropriate program page in catalog
for recommended course.

3. Natural Science – 4 credits

Four credits chosen from:

BIO 103 & 104	General Biology I and Lab
BIO 110 & 111	Fundamentals of Anatomy and Physiology I and Lab
BIO 120 & 121	Basic Biology and Human Affairs and Lab
BIO 130 & 131	Environmental Science and Lab
BIO 155 & 156	Basic Microbiology and Lab
BIO 208 & 209	Human Anatomy and Physiology I and Lab
BIO 212 & 213	Human Anatomy and Physiology II and Lab
CHE 107 & 108	Chemistry and Lab
CHE 115 & 116	General Chemistry I and Lab
PHY 110 & 111	Principles of Physics I and Lab
PHY 120 & 121	Introduction to Astronomy and Lab
PHY 210 & 211	General Physics I and Lab
PHY 212 & 213	General Physics II and Lab
PSC 105 & 106	Physical Science I and Lab
PSC 107 & 108	Physical Science II and Lab

4. Social Science – 3 credits

Three credits chosen from:

ANT 102	Introduction to Cultural Anthropology
ANT 103	Biological Anthropology
ECO 203	Principles of Microeconomics
GEO 102	Principles of Geography
POL 101	American National Government & Politics
*‡ PSY 101	Introduction to Psychology
*‡ SOC 101	Principles of Sociology
*SOC 160	Society, Ethics & Technology

5. Arts and Humanities – 3 credits

Three credits chosen from:

ART 101	Introduction to Art
MUS 101	Music Appreciation
MUS 105	Music Fundamentals
*‡ PHI 101	Introduction to Philosophy
THR 101	Introduction to Theater

6. Additional General Education Requirements – 3 credits

See appropriate program page in catalog for required and/or
recommended course.

**This course meets the ethical reasoning and action goal. ‡ This course meets the information literacy action goal.*

General Education Requirements

Associate of Applied Science (A.A.S.) Degrees for Health Sciences Programs

See appropriate program page in catalog for recommended/required course(s).

1. Written and Oral Communications – 6 credits

See appropriate program page in catalog for required course.

ENG 101 College Composition I
ENG 102 or *‡ SPE 102 College Composition II
 or Public Speaking

2. Mathematics – 3 credits

See appropriate program page in catalog
for required course.

3. Natural Science – 4 credits

See appropriate program page in catalog
for required course.

BIO 103 & 104 General Biology I and Lab
BIO 110 & 111 Fundamentals of Anatomy
 and Physiology and Lab
BIO 208 & 209 Human Anatomy and Physiology I and Lab
BIO 212 & 213 Human Anatomy and Physiology II and Lab
CHE 115 & 116 General Chemistry I and Lab
PHY 110 & 111 Principles of Physics I and Lab
PHY 210 & 211 General Physics I and Lab
PHY 212 & 213 General Physics II and Lab

4. Social Science – 3 credits

See appropriate program page in catalog
for recommended course.

ANT 102 Introduction to Cultural Anthropology
ANT 103 Biological Anthropology
ECO 203 Principles of Microeconomics
GEO 102 Principles of Geography
POL 101 American National Government & Politics
*‡ PSY 101 Introduction to Psychology
*‡ SOC 101 Principles of Sociology

5. Additional General Education Requirement – 6 credits

These 6 credits are determined by each specific health science
program. Please see appropriate program page in catalog
for required courses.

PHY 107** Fundamentals of Physics

**This course meets the ethical reasoning and action goal. ‡ This course meets the information literacy action goal. **This course is only 3 credits.*

Recommended Semester Sequences

The recommended course sequence is designed for full-time students who average twelve (12) to fourteen (14) credits per semester, enroll in mini-semester courses or attend summer term courses. It is intended only as a guide. Students may need more time to complete major requirements based on placement testing and the meeting of course prerequisite skills.

Associate of Arts and Associate of Fine Arts Degree

First Semester		Second Semester		Summer or Mini Semester	
English 101*	3 cr.	English 102	3 cr.	Social Science	3 cr.
Mathematics*	3 cr.	Arts & Humanities	3 cr.	History	3 cr.
Social Science	3 cr.	CIS 101 or CIS 161	3 cr.		
Program Course**	3 cr.	Program Course**	3 cr.		
Third Semester		Fourth Semester		Summer or Mini Semester	
SPE 102	3 cr.	Arts & Humanities	3 cr.	History	3 cr.
Natural Science	3-4 cr.	Natural Science	3-4 cr.	Elective	3 cr.
Program Course**	3 cr.	Program Course**	3 cr.	Elective	3 cr.
Diversity Course	3 cr.	History	3 cr.		

Associate of Science Degree

First Semester		Second Semester		Summer or Mini Semester	
English 101*	3 cr.	English 102	3 cr.	Social Science	3 cr.
Mathematics*	3 cr.	Diversity Course	3 cr.	History	3 cr.
Natural Science	4 cr.	Natural Science	3-4 cr.		
Program Course**	3 cr.	Program Course**	3 cr.		
Third Semester		Fourth Semester		Summer or Mini Semester	
Program Course**	3 cr.	Program Course**	3 cr.	Elective	3-4 cr.
Program Course**	3 cr.	Program Course**	3 cr.	Elective	3-4 cr.
Program Course**	3 cr.	Arts & Humanities	3 cr.		
Social Science	3 cr.	Elective	3 cr.		

* Placement testing required

** Program courses are specified in the Program Outlines section of this catalog.

Important Note

Decisions regarding the transferability of courses are made by the baccalaureate degree granting colleges/universities and differ from school to school. Students who are planning to transfer should select courses according to the expectations of the transfer institution. Transfer articulation guides for New Jersey colleges can be found at njtransfer.org or by meeting with an academic advisor. Transfer deadlines can be found on the Advising Website at rbc.edu/advising.

Programs and Contact Person

Liberal Arts (LA)

During periods when the faculty are not available students may contact the LA Division at ext. 1441.

Dean	Donna Vandergrift	1400
Associate Dean	Elizabeth Nesius	1644
Accounting	Tina Burrell	1628
Advanced and Continuous Studies	Academic Advising	1559
American Sign Language	LA Division	1441
Anthropology	Brandon Chapman	1607
Art	Jeffrey Bailey	1317
Business Administration	Frank Caranci	1618
Business Management Tech.	Frank Caranci	1618
Communication Arts	Erica Osmond	1466
Criminal Justice	Joseph Rizzo	2343
Developmental English	Jessica Gicking-Aspden	1614
	Gina Yanuzzi	1546
Education	Corvena Francis-Denton	2342
English	Christopher Gazzara	1679
Entertainment Technologies	Brooke Mailhiot	2529
English as a Second Language	Meral Muyesser	2724
Fine Arts	Jeffery Bailey	1317
History	James Judge	1346
Human Services	Brina Sedar	2713
Languages	Michelle Harkins	1648
Liberal Arts	Academic Advising	1559
Music	Russ Gartner	1353
Paralegal	Elizabeth Nesius	1644
Philosophy	Jack Kerwick	1612
Photography	Lila Ingui	1441
Political Science	Ken Mariano	1603
Psychology	Elizabeth Lavertu	1759
Sociology	Brandon Chapman	1607
Theatre	Patricia Cohill	1779

Science, Technology, Engineering and Mathematics (STEM)

During periods when department chairs are not available, students may contact the STEM Division at ext. 1446.

Dean	Edem G. Tetteh	1239
Associate Dean	Elizabeth Price	1259
	Liberal Arts and Sciences	1559
	Advanced and Continuous Studies	1559
Department of Mathematics and Professional Studies		
Crystal Bourne, Chair		1347
	Mathematics	
	Culinary Technology	
	Fashion Design	
	Fashion Product and Merchandising	
	Graphic Design and Digital Media	
	Hospitality and Tourism	
Department of Applied Sciences		
Jennifer Rienzi, Chair		2030
	Biology	
	Biotechnology	
	Chemistry	
	Environmental Science	
Department of Applied Engineering Technology –		
Dave Wilson, Chair		1052
	Applied Technology Management	
	Chemical Engineering	
	Construction Management	
	Electrical Engineering Tech	
	Engineering	
	Mechanical Engineering Tech	
	Physics	
	Technical Studies	
Department of Information Technology and Computing		
Paul Warner, Chair		2750
	Computer Information Systems	
	Computer Management Information Systems	
	Computer Science	
	Computer Engineering Technology	
	Cybersecurity	
	Exercise Science	
	Health & Wellness	Health Sciences Division 1410
	Health Information Tech.	Susan Scully 1257
	Health Sciences	Health Sciences Division 1410
	Magnetic Resonance Imaging	Pamela Evans 1407
	Nursing	Karen Montalto 1579
	Paramedic Sciences	Andrea Quinn 2550
	Radiography	Pamela Evans 1407

Health Sciences – *During periods when the faculty are not available students may contact the Health Sciences Division at ext. 1410.*

Dean	Karen Montalto	1579
Interim Assistant Dean	Anne Edwards	2240
Advanced and Continuous Studies	Academic Advising	1559
Cancer Registry	Susan Scully	1257
Computed Tomography	Pamela Evans	1407
Coding	Fran DiLorenzo	1668
Dental Hygiene	Gail Vasilenko	1419
Diagnostic Med. Sonography	Courtney Dyott	1171

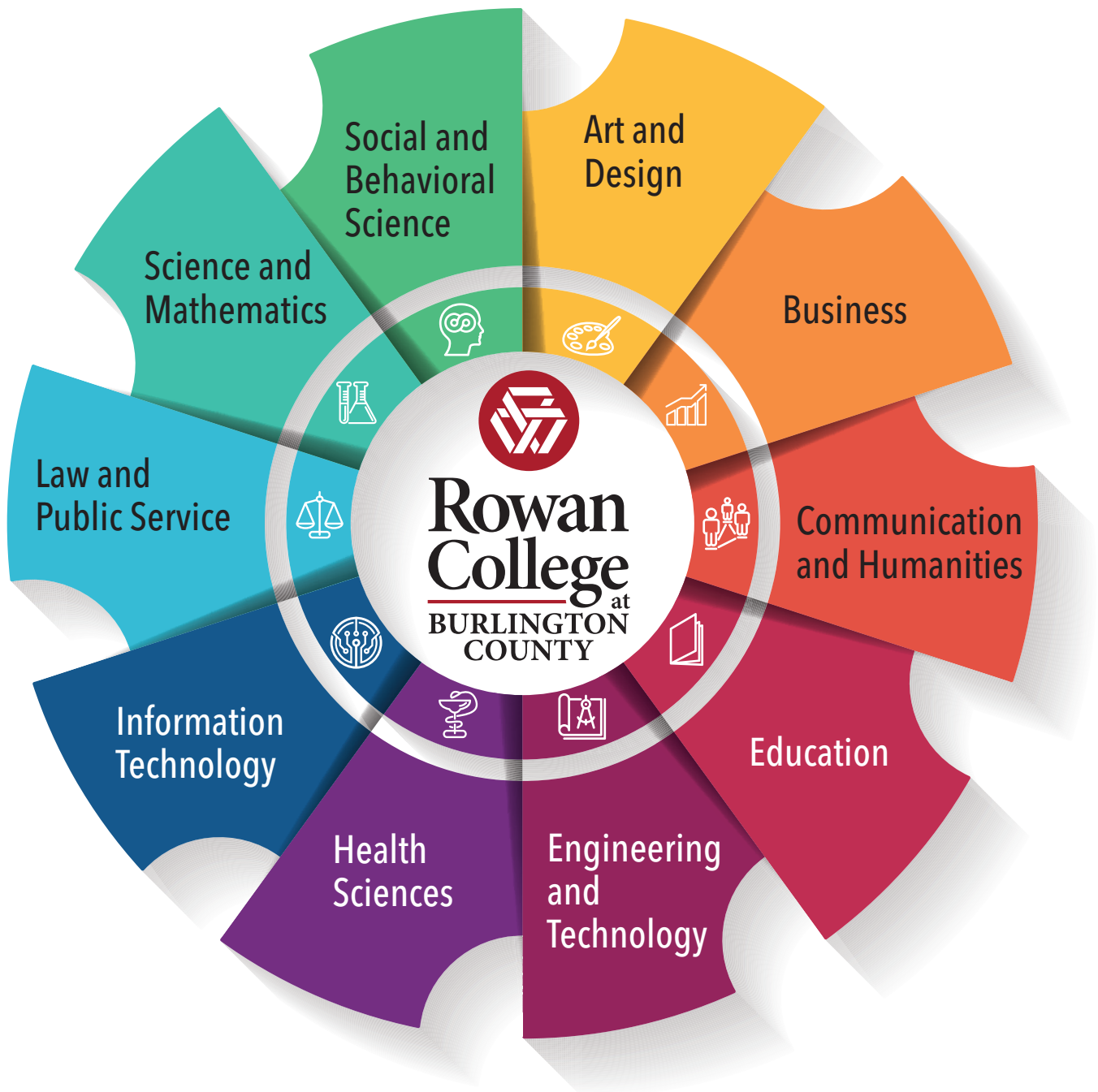
Other Programs

Study Abroad	Jessica Gicking-Aspden	1614
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Meta Majors

Rowan College at Burlington County uses meta-majors to group together degree and certificate programs that share commonalities including subject matter, courses, and/or career opportunities. For students, the benefit of using meta-majors is that rather than exploring each individual major offered at the college, students can think about broader areas where they have an interest. In addition, students can readily identify similar or related programs should they choose to change their major.

The college has assigned all Associate of Arts (AA) degree programs, Associate of Fine Arts (AFA) degree programs, Associate of Science (AS) degree programs, Associate of Applied Science (AAS) degree programs, Academic Certificates (CRT), and Career Certificates (SPC), to one of the following meta-majors: Art and Design, Business, Communications and Humanities, Education, Engineering and Technology, Health Sciences, Information Technology, Law and Public Service, Science and Mathematics, and Social and Behavioral Science.



Art (AA.ART, AFA.ART)
Cooking and Baking (SPC.FCB)
Culinary Technology (AAS.CLT)
Entertainment Technologies (AAS.ETS, AAS.ETV)
Fashion Design (AAS.FAD, SPC.FDC*)
Graphic Design and Digital Media (AAS.GDD)
Music (AS.MUS)
Photography (AFA.PHO, CRT.PHO)
Theater (AA.THR)

Accounting (AS.ACC, CRT.ACC)
Business Administration (AS.BUS)
Business Management Technology (AAS.BMT)
Business Technology (SPC.BTC)
Fashion Product Merchandising (AS.FPM)
Hospitality and Tourism Management (AS.HOS)
Small Business (CRT.BUS)

American Sign Language/Deaf Studies (AS.ASL/DEA)
Communication Arts (AA.COM)
English (AA.ENG)
History (AA.HIS)
Philosophy (AA.PHI)

Education (AS.EDU)

Applied Technology Management (AAS.ATM)
Chemical Engineering (AS.CGR)
Construction Management (AS.CON)
Electrical Engineering Technology (AAS.EET)
Engineering (AS.EGR)
Mechanical Engineering Technology (AAS.MET)

Cancer Registry Management (AAS.MCR, SPC.MCR)
Coding (SPC.ACO)
Computed Tomography (SPC.CTC)
Dental Hygiene (AAS.DHY)
Diagnostic Medical Sonography (AAS.DMS)
Exercise Science Health and Wellness Promotion (AS.HWP)
Health Information Technology (AAS.HIT)
Health Science(s) (AS.HSC, AAS.HSC)
Magnetic Resonance Imaging (SPC.MRP*)
Medical Billing Specialist Certificate (SPC.MBS*)
Nursing (AAS.NUR)
Paramedic Science (AAS.PAR, CRT.PAR*)
Radiography (AAS.RAD)

Computer Engineering Technology (AAS.ECT)
Computer Information Systems (AS.INF)
Computer Management Information Systems (AAS.MIS)
Computer Networking Support and Servicing (SPC.EET)
Computer Science (AS.CSE)
Cybersecurity (AAS.IAC)

Criminal Justice (AS.CRJ)
Fire Investigation Certificate (SPC.FSI)
Fire Science Certificate (SPC.FSC)
Paralegal (AAS.LEX)
Political Science (AA.POL)

Biology (AS.BIO)
Biotechnology (AS.BIT)
Chemistry (AS.CHE)
Environmental Science (AS.ENV)
Mathematics (AS.MTH)
Physics (AS.PHY)

Addictions Counseling (SPC.HSA*)
Human Services (AAS.HMS)
Psychology (AA.PSY)
Sociology (AA.SOC)

DEGREE AND CERTIFICATE PROGRAMS NOT ASSOCIATED WITH A META-MAJOR

The following degree and certificate programs are offered by Rowan College at Burlington County, but are not associated with a specific meta-major due to their generalized nature. Liberal Arts and Liberal Arts and Sciences prepare students for entering a Bachelor's degree program with a broad-based foundation in Art and Design, Communication and Humanities, Science and Mathematics, and Social and Behavioral Science. Technical Studies provides a pathway to an associate degree by allowing students to earn credits for approved apprenticeships and corporate, industrial, or military training programs. Advanced and Continuous Studies provides students with the means to progress beyond the standard number of credits corresponding to a first associate degree and earn a second associate degree while maintaining matriculation status and financial aid eligibility. The total accumulation of approximately 90 unique credits can be transferred to Rowan University through the 3+1 partnership or to another four-year college willing to accept up to ninety credits taken at RCBC.

Advanced and Continuous Studies (AS.ADC, AAS.ADC)
Liberal Arts (AA.LIB)
Liberal Arts and Sciences (AS.LSC, CRT.LSC*)
Technical Studies (AAS.TES)

**These certificates are NOT eligible for Financial Aid.*

Meta Majors

Accounting	AS.ACC.....	59	Exercise Science Health and Wellness Promotion	AS.HWP	99
Accounting	CRT.ACC.....	60	Fashion Design	AAS.FAD	100
Addictions Counseling	SPC.HSA	61	Fashion Design	SPC.FDC.....	101
Advanced and Continuous Studies	AS.ADC	62	Fashion Product Merchandising	AS.FPM	102
Advanced and Continuous Studies	AAS.ADC.....	63	Fire Investigation Certificate	SPC.FSI	103
American Sign Lang/Deaf Studies	AS.ASL/DEA.....	64	Fire Science Certificate	SPC.FSC.....	104
Applied Technology Management	AAS.ATM.....	65	Graphic Design & Digital Media	AAS.GDD.....	105
Art	AA.ART	66	Health Information Technology	AAS.HIT.....	106
Art	AFA.ART	67	Health Science	AS.HSC.....	107
Biology	AS.BIO	68	Health Science	AAS.HSC.....	108
Biotechnology	AS.BIT	69	History	AA.HIS.....	109
Business Administration	AS.BUS	70	Hospitality and Tourism Mgmt.	AS.HOS.....	110
Business Mgmt. Technology	AAS.BMT	71	Hospitality	CRT.HOS	111
Business Technology	SPC.BTC.....	72	Human Services	AAS.HMS.....	112
Cancer Registry Management	AAS.MCR.....	73	Liberal Arts	AA.LIB	113
Cancer Registry Management	SPC.MCR.....	74	Liberal Arts and Sciences	AS.LSC	114
Chemical Engineering	AS.CGR.....	75	Liberal Arts and Sciences	CRT.LSC.....	115
Chemistry	AS.CHE.....	76	Magnetic Resonance Imaging	SPC.MRP.....	116
Coding	SPC.ACO	77	Mathematics	AS.MTH	117
Communication Arts	AA.COM.....	78	Mechanical Engineering Technology	AAS.MET	118
Computed Tomography	SPC.CTC.....	79	Medical Billing Specialist Certificate	SPC.MBS	119
Computer Engineering Technology	AAS.ECT	80	Music	AS.MUS.....	120
Computer Information Systems	AS.INF.....	81	Nursing	AAS.NUR.....	121
Computer Management Information Systems	AAS.MIS	82	Paralegal	AAS.LEX	122
Computer Networking Support and Servicing	SPC.EET	83	Paramedic Science	AAS.PAR.....	123
Computer Science	AS.CSE	84	Paramedic Science	CRT.PAR.....	124
Construction Management	AS.CON.....	85	Philosophy	AA.PHI	125
Cooking and Baking	SPC.FCB.....	86	Photography	AFA.PHO	126
Criminal Justice	AS.CRJ.....	87	Photography	CRT.PHO.....	127
Culinary Technology	AAS.CLT	88	Physics	AS.PHY	128
Cybersecurity	AAS.IAC	89	Political Science	AA.POL	129
Dental Hygiene	AAS.DHY.....	90	Psychology	AA.PSY.....	130
Diagnostic Medical Sonography	AAS.DMS	91	Radiography	AAS.RAD	131
Education	AS.EDU.....	92	Small Business	CRT.BUS	132
Electrical Engineering Technology	AAS.EET	93	Sociology	AA.SOC	133
Engineering	AS.EGR	94	Technical Studies	AAS.TES	134
English	AA.ENG.....	95	Theater	AA.THR.....	135
Entertainment Technologies	AAS.ETS	96			
Entertainment Technologies	AAS.ETV	97			
Environmental Science	AS.ENV	98			



Option to Liberal Arts and Sciences, (AS.ACC)

The Associate in Science program in Accounting is designed to provide the first two years of a four-year program leading to a baccalaureate degree. Graduates of this program have transferred to area institutions.

Students may study full-time or part-time. Courses are offered both in the day and evening.

Students who wish to transfer to a baccalaureate program are strongly advised to seek information regarding admission and transfer requirements for those programs.

Graduates of this program should be able to:

- Analyze, record and interpret transactions to make ethical business and financial decisions;
- Prepare and interpret financial statements for different types of organizations;
- Perform all the steps in the accounting cycle;
- Utilize the computer and accounting systems to record accounting information;
- Apply business concepts to current events to understand causes that may affect our economy.

General Education Courses †		Credits
Written & Oral Communications		6
Mathematics (MTH 118 or MTH 142 recommended)		3-4
Natural Science		7-8
Social Science (ECO 204 required)		6
Arts & Humanities		3
History		3
Diversity		3
Total		31-33

† See General Education Requirements on page 51.

Program Courses*		Credits
ACC 110	Principles of Accounting I	3
ACC 111	Principles of Accounting II	3

Select a minimum of 15 credits from the following:

ACC 116	Computerized Accounting	3	} 15
BUA 102	Principles of Management	3	
BUA 205	Business Law I	3	
BUA 206	Business Law II	3	
BUA 220	Principles of Marketing	3	
ECO 203	Principles of Microeconomics	3	
Total		21	

Electives*			
ACC 210**	Intermediate Accounting I	3	} 6-8
ACC 211**	Intermediate Accounting II	3	
BUA 101	Business Functions in a Global Society	3	
MTH 143	Statistics I	4	
MTH 243	Statistics II	3	
PSY 259	Social Psychology	3	

Total Required for Degree 60

*Selection of program and elective courses should be based on knowledge of their acceptability in transfer to the receiving college. Rowan University requires the completion of MTH 143 and MTH 142 or MTH 118 for admission into the College of Business.

**ACC 210 and ACC 211 recommended for Wilmington University.



Certificate, (CRT.ACC)

This certificate program provides the knowledge, skills, and practice in accounting and related fields for a person with work experience or educational background in a non-accounting field. This certificate program requires a minimum of 33 credit hours. Persons with either a bachelor's degree or associate degree may substitute business courses or computer science courses in place of math and English courses. In other words those with an AS, BS or BA degree may use this program to gain a foundation in accounting. Certificate holders can also enter either private or public service areas.

Students may be able to transfer certificate credits for use in associate or baccalaureate degree program. Students are strongly advised to seek information regarding admission and transfer requirements for those programs.

Graduates of this program should be able to:

- Perform all the steps in the accounting cycle;
- Record business transactions;
- Prepare financial statements for different types of organizations;
- Utilize the computer to record accounting information;
- Demonstrate an understanding of the legal and ethical decision making process;
- Apply economic concepts to current events to understand causes for situations.

General Education Courses		Credits
Written Communication (ENG 101 required)		3
Mathematics (MTH 107 required)		3
Total		6

Program Courses		Credits
ACC 110	Principles of Accounting I	3
ACC 111	Principles of Accounting II	3
ACC 116	Computerized Accounting	3
ACC 210	Intermediate Accounting I	3
ACC 211	Intermediate Accounting II	3
ACC 213	Cost Accounting	4
BUA 102	Principles of Management	3
CIS 101	Computing Essentials	3
Total		25

Elective		3
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Total Required for Certificate		34
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Addictions Counseling



Career Certificate, (SPC.HSA) §

This program will provide students with fundamental training in the area of drug and alcohol counseling. This certificate is of value to students entering the human services profession who are seeking in-depth training in a specialized area of practice as well as those who are already experienced in the drug and alcohol field who may use this certificate to advance their skills and qualifications. This program requires 15 credits in a five course cluster, one of which is a field placement in a drug and alcohol facility.

Program Courses		Credits
HUS 101	Human Services I	3
HUS 102	Human Services II	3
HUS 201	Introduction to Counseling	3
HUS 207	Addiction Dynamics and Interventions	3
PSY 202	Interviewing Techniques	3
Total Required Credits		15

§ This certificate is NOT eligible for Financial Aid.

Advanced and Continuous Studies

Associate of Applied Science, (AAS.ADC)

This program provides students with the means to progress beyond the standard number of credits corresponding to a first associate degree and earn a second associate degree while maintaining matriculation status and financial aid eligibility. Students committed to the RCBC/RU 3+1 program will initially matriculate in the RCBC major that corresponds to the Rowan University baccalaureate degree program of their choice. Subsequent to pursuing the initial associate degree, students will enroll and matriculate in Advanced and Continuous Studies. This second associate degree will be comprised of the already-earned general education credits and additional program courses needed to attain the approximately 90 unique credits required to directly transition into Rowan University's, or other four-year partnering institutions', senior year in their chosen baccalaureate program.

Due to the complex nature of Advanced and Continuous Studies, students are required to meet with an academic advisor prior to matriculating into the program.

Graduates of this program should be able to:

- Apply written, oral, and visual communication skills and conventions to the challenges within varied environments, including the workplace;
- Interpret and employ a method of inquiry to draw conclusions based on verifiable evidence;
- Exhibit competency in the application of technology appropriate to the discipline and academic level;
- Describe and analyze the origins, progression, and current nature of contemporary issues in the discipline.

General Education Courses* †	Credits
Written & Oral Communications	6
Mathematics	3-4
Natural Science	4
Social Science	3
Arts & Humanities	3
<u>Additional General Education Requirements</u>	<u>3-4</u>
Total	22-24

† See *General Education Requirements* on page 52.

Program Courses

Select a total of 30 credits which have not been used toward another degree at the institution and are based upon knowledge of the available transfer programs. Credits may vary based on previous degree earned.

For a recommended list of courses, please visit rcbc.edu/3plus1.

Total	30
Electives	6-8
Total Required for Degree	60

*Credits earned previously in the first RCBC associate degree

Advanced and Continuous Studies

Associate of Science, (AS.ADC)

This program provides students with the means to progress beyond the standard number of credits corresponding to a first associate degree and earn a second associate degree while maintaining matriculation status and financial aid eligibility. Students committed to the RCBC/RU 3+1 program will initially matriculate in the RCBC major that corresponds to the Rowan University baccalaureate degree program of their choice. Subsequent to pursuing the initial associate degree, students will enroll and matriculate in Advanced and Continuous Studies. This second associate degree will be comprised of the already-earned general education credits and additional program courses needed to attain the approximately 90 unique credits required to directly transition into Rowan University's, or other four-year partnering institutions', senior year in their chosen baccalaureate program.

Due to the complex nature of the Advanced and Continuous Studies, students are required to meet with an academic advisor prior to matriculating into the program.

Graduates of this program should be able to:

- Apply written, oral, and visual communication skills and conventions of academic discourse to the challenges of a specific discipline;
- Interpret and employ a method of inquiry to draw conclusions based on verifiable evidence;
- Exhibit competency in the application of technology appropriate to the discipline and academic level;
- Describe and analyze the origins, progression, and current nature of contemporary issues in the discipline.

General Education Courses* †	Credits
Written Communications	6
Mathematics	3
Natural Science	7
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	31

† See General Education Requirements on page 51.

Program Courses

Select a total of 29 credits which have not been used toward another degree at the institution and are based upon knowledge of the available transfer program. Credits may vary based on previous degree earned.

For a recommended list of courses, please visit rcbc.edu/3plus1.

Total	29
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Total Required for Degree	60
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*Credits earned previously in the first RCBC associate degree



Option to Liberal Arts and Sciences, (AS.ASL/DEA)

This program is designed for students who intend to complete a baccalaureate degree in a chosen field (e.g. Biology, Business Administration, Computer Science, Criminal Justice, Education, Nursing, Medicine, Social Sciences, the Arts) which serves individuals who are deaf and who use ASL to communicate.

Students planning to transfer after graduation should consult the catalog of the college where they intend to complete their studies.

Graduates of this program customarily transfer to baccalaureate institutions. Graduates not immediately pursuing an additional degree frequently work as paraprofessionals in the student's chosen field of study which serves individuals who are deaf and who use ASL to communicate. (Positions include lab technician; office technician in a business, criminal justice or social services organization; teacher's aide; a substitute teacher.)

Upon completion of the program, students should be able to:

- Demonstrate proficiency in all aspects of American Sign Language across registers and dialects;
- Analyze American Deaf culture;
- Explain the historical, political, recreational, medical, educational, and linguistic issues that affect individuals who are Deaf/Hard of Hearing;
- Identify the laws and legislations that impact the civil rights of Deaf people;
- Demonstrate knowledge of the prevalent models (pathological vs. humanistic) of Deafness and hard of hearing;
- Identify the various types, causes, and levels of deaf or hearing loss.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 113 recommended)	3
Natural Science (BIO 103/104 recommended)	7-8
Social Science (PSY 101 & SOC 101 required)	6
Arts & Humanities (THR 101 recommended)	3
History	3
Diversity	3
Total	31-32

† See General Education Requirements on page 51.

Program Courses	Credits
ASL 101 Elementary American Sign Language I	3
ASL 103 American Deaf Culture	3
ASL 102 Elementary American Sign Language II	3
ASL 104 Fingerspelling	3
ASL 201 Intermediate American Sign Language I	3
ASL 202 Intermediate American Sign Language II	3
Total	18

Electives (recommended):	10-11
ENG 252 Semantics	
SPE 101 Effective Oral Communication	
SPE 102 Public Speaking	

Total Required for Degree **60**

Selection of electives should be based upon knowledge of prospective major of the receiving college and of the acceptability of transfer to that receiving college.



Associate of Applied Science, AAS.ATM

The objective of the Associate of Applied Science degree in Applied Technology Management (AAS.ATM) is to provide a high-quality educational opportunity that prepares students to achieve career goals in the fields of technology and engineering management. Applied Technology Management involves solving complex technological problems and developing the competitive technologist and applied engineering workforce. Examples of societal improvements attributable to Applied Technology Management include engines, air-conditioned environments, and jet aircraft. The program is designed to be a two-year Associate of Applied Science degree that is transferable to a four-year Bachelor of Science in Industrial Technology Management. In the future, RCBC will seek accreditation of the program by the Association of Technology Management and Applied Engineering (ATMAE).

Graduates of this program should be able to:

- Analyze technical problems, and utilize the technology needed to implement solutions;
- Contribute to the design and development, the production, product distribution or operational support in a technical organization;
- Think critically and communicate effectively;
- Be a productive team member and leader.

Students graduating from this program must successfully complete a minimum of 12 semester hours of management and/or technical course work at Rowan College at Burlington County.

General Education Courses †	Credits
Written & Oral (SPE 102 required)	3
Mathematics (MTH 107 required)	3
Natural Science (CHE 115 & 116 required)	4
Social Science (SOC 160 required)	3
Arts & Humanities	3
Additional General Education Requirements (PHY 107 Fundamentals of Physics required)	3
Total	22

† See General Education Requirements on page 51.

Program Courses	Credits
ATM 110 Materials Management and Inventory Control	3
ATM 220 Engineering Economics and Technical Sales	3
ATM 250 Quality Management	3
ATM 260 Lean Six Sigma	3
BUA 102 Principles of Management	3
EGR 151 Freshman Engineering Clinic I	2
EGR 152 Freshman Engineering Clinic II	2
EGR 251 Sophomore Engineering Clinic I	1
EGR 252 Sophomore Engineering Clinic II	1
ENG 105 Technical Writing	3
CSE 135 Computer Programming & Problem Solving	3
SST 100 Principles of Sustainability	3
TEC 101 Career Readiness I	1
TEC 201 Career Readiness II	1
TEC 202 Career Readiness III	1
TEC 120 Safety Management	3
TEC 212 Project Management	3
Total	36

Program Electives	Credits
<i>Select 2 credit hours from the following:</i>	
CIS 141 Microsoft Office Fundamentals	2
CSE 222 Advanced Programming Workshop	2
CSE 135 Comp Prog & Problem Solving	3
Total Required for Degree	60

Students graduating from this program must successfully complete a minimum of 12 semester hours of management and/or technical course work at Rowan College at Burlington County.



Option to Liberal Arts, (AA.ART)

The A.A. Art program provides students with both a broad-based liberal arts education and a strong foundation in the visual arts. Art students learn technical skills and the basic principles of drawing, design, and color. Students may also elect courses in painting, sculpture, ceramics, photography, art history, and an introduction to computer graphics. Students develop competency in studio arts, an appreciation of the role of visual art in society, and an understanding of the works of past and present major artists.

This transfer program is designed for students interested in a career in the arts but not necessarily as working artists. Many career opportunities in the arts require a broad liberal arts education along with studio competency. Some of these professions include: art conservation, museum studies, and curatorial studies.

Graduates of this program should be able to:

- Demonstrate proficiency in the basic artistic materials, techniques, and principles of art and design;
- Demonstrate effective oral and written communication skills;
- Demonstrate an understanding of major art works from the past, the styles they represent, and their significance for artists today;
- Discuss and analyze major issues facing the art world today;
- Demonstrate an ability to select and prepare artworks for exhibition;
- Prepare a comprehensive portfolio that demonstrates competence in all areas of art foundations.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics	3
Natural Science	7-8
Technology	3
Social Science (PSY 101 recommended)	6
Arts & Humanities (ART 101 recommended)	9
History	6
Diversity	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
ART 110 Design I	3
ART 112 Design II	3
ART 120 Drawing I	3
ART 214 Portfolio Preparation	2
<i>Select three credits from the following:</i>	
ART 121 Drawing II	3
ART 122 Figure Drawing	3
ART 220 Painting	3
ART 252 Introduction to Modern Art	3
GDD 101 Introduction to Computer Graphics	3
PHO 102 Black & White Photography	3
PHO 103 Color Photography	3
PHO 115 History of Photography	3
Total	14

Total Required for Degree 60



Associate of Fine Arts, (AFA.ART)

The Associate in Fine Arts degree in Art provides a strong foundation in drawing, design, and 3 dimensional design. This degree is not a transfer degree but is designed as an immersion experience in program, studio, and art history courses for students planning to pursue a four-year degree in studio art. Students will prepare a comprehensive portfolio demonstrating competence in all areas of art foundations.

Graduates of this program should be able to:

- Demonstrate their proficiency in the basic artistic materials, techniques and principles of art and design;
- Demonstrate effective oral and written communication skills;
- Demonstrate an understanding of major art works from the past, the styles they represent, and their significance for artists today;
- Discuss and analyze major issues facing the art world today;
- Demonstrate an ability to select and prepare artworks for exhibition;
- Demonstrate the ability to document their artwork;
- Prepare a comprehensive portfolio that demonstrates competence in all areas of art foundations.

General Education Courses †	Credits
Written and Oral Communications	6
Mathematics (MTH 107 or higher)	3
Natural Science (PSC 105/106 recommended)	4
Social Science	3
Arts and Humanities (ART 101 required)	3
Additional General Education (Required – any diversity course listed on page 51)	3
Total	22

† See General Education Requirements on page 52.

Program Courses	Credits
ART 120 Drawing I	3
ART 110 Design I	3
ART 112 Design II	3
GDD101 Introduction to Computer Graphics	3
ART 122 Figure Drawing	3
ART 135 3D Design	3
ART 214 Portfolio Preparation	2
ART 250 Art History I	3
ART 251 Art History II	3
ART 252 Introduction to Modern Art	3

Select six credits from the following:

ART 121 Drawing II	3	6
ART 220 Painting I	3	
ART 221 Painting II	3	
ART 222 Sculpture I	3	
ART 223 Sculpture II	3	
GDD 110 Graphic Design	3	
PHO 102 Black and White Photography	3	
PHO 115 History of Photography	3	
PHO 120 Digital Photography I	3	
Total	35	

Electives 3

Total Required for Degree 60



Option to Liberal Arts and Sciences, (AS.BIO)

This program prepares students to transfer to a four-year institution to complete a baccalaureate degree with a major in one of the following areas: biology, microbiology, biotechnology, physical therapy, pharmacology or physician assistant programs. Students in this program engage in a broad-based liberal arts and sciences curriculum that is typical of freshman and sophomore biology majors at a four-year institution.

Graduates of baccalaureate biology programs can enter professional programs such as medicine, dentistry, veterinary medicine, chiropractic medicine, and physical or occupational therapy. Biology graduates can also continue graduate work beyond their baccalaureate degree and enter exciting research fields such as molecular biology, microbiology, botany, and zoology.

Graduates of this program should be able to:

- Explain fundamental biological principles and concepts;
- Demonstrate good laboratory skills;
- Conduct scientific investigations;
- Communicate scientific findings verbally and in writing;
- Apply concepts of organic chemistry;
- Examine ethical issues in the biological sciences.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 118 or MTH 130 required)	4
Natural Science (CHE 115/116 & CHE 117/118 required)	8
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	33

† See General Education Requirements on page 51.

Program Courses	Credits
BIO 103 General Biology I	3
BIO 104 General Biology I Laboratory	1
BIO 107 General Biology II	3
BIO 108 General Biology II Laboratory	1
CHE 240 Organic Chemistry I	3
CHE 241 Organic Chemistry I Laboratory	1

Select 9 credits from the following:*

BIO 202*	General Biology III: Biological Skills	4	
BIO 204*	General Biology IV: Global Biology	4	
BIO 208	Human Anatomy & Physiology I	3	
BIO 209	Human Anatomy & Physiology I Lab	1	
BIO 212	Human Anatomy & Physiology II	3	
BIO 213	Human Anatomy & Physiology II Lab	1	
BIO 221	Microbiology	3	
BIO 222	Microbiology Laboratory	1	
BIT 210	Molecular Genetics	3	
CHE 242	Organic Chemistry II	3	9
CHE 243	Organic Chemistry II Laboratory	1	
MTH 119	Calculus II and Analytic Geometry	4	
PHY 110	Principles of Physics I	3	
PHY 111	Principles of Physics I Laboratory	1	
PHY 112	Principles of Physics II	3	
PHY 113	Principles of Physics II Laboratory	1	
PHY 210	General Physics I	3	
PHY 211	General Physics I Laboratory	1	
PHY 212	General Physics II	3	
PHY 213	General Physics II Laboratory	1	
Total		21	

Electives 6

Total Required for Degree 60

*Indicates course is required for Rowan 3+1 BA and BS in Biological Sciences.



Option to Liberal Arts and Sciences (AS.BIT)

This program prepares students for transfer to a four-year college or university or for a laboratory technician position in laboratories engaged in biotechnology. Graduates of this program may choose career paths in medical, pharmaceutical, agricultural, environmental, or forensic science industries, as well as basic biological research.

This program provides both theoretical and practical knowledge of the biotechnology field along with a solid foundation in biology, chemistry, and mathematics. Through lecture courses and extensive laboratory experiences the student will be trained in a broad range of techniques involving molecular genetics, protein recovery, cell culture, and microbial growth control. Record keeping, interpretation and trouble shooting of experiments, and interpersonal skills are also emphasized.

Students planning to transfer after graduation should consult the catalog of the college where they intend to complete their studies and enroll in courses, which will meet transfer requirements.

Graduates of this program should be able to:

- Communicate effectively both verbally and in writing;
- Apply critical thinking and problem solving skills in the analysis of data, in the design of experimental procedures and evaluation of outcomes;
- Demonstrate comprehension of biotechnology terms, techniques and theories;
- Demonstrate good laboratory skills.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 130 required)	4
Natural Science (BIO 103/104 & CHE 115/116 required)	8
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	33

† See General Education Requirements on page 51.

Program Courses	Credits
BIO 107 General Biology II	3
BIO 108 General Biology II Laboratory	1
OR	4
BIO 221 Microbiology	3
BIO 222 Microbiology Laboratory	1
CHE 117 General Chemistry II	3
CHE 118 General Chemistry II Laboratory	1
CHE 240 Organic Chemistry I	3
CHE 241 Organic Chemistry I Laboratory	1
CHE 242 Organic Chemistry II	3
CHE 243 Organic Chemistry II Laboratory	1
BIT 200 Principles of Biotechnology	4
BIT 210 Molecular Genetics	3
BIT 218 Cell Structure and Protein Purification	4
Total	27
Total Required for Degree	60



Option to Liberal Arts and Science, (AS.BUS)

The Business Administration curriculum is designed for the student who plans to earn a business-related baccalaureate degree at a four-year college or university. The program provides the necessary preparation in the business disciplines, accounting, business law, economics, management, statistics, and other business-related courses necessary for acceptance into third-year status at a four-year college.

Some four-year colleges and universities have mathematics-oriented programs, and all business schools require a high level of written and oral communication skills. Students should consult college and university catalogs before selecting a particular RCBC business program and/or courses.

Graduates of this program should be able to:

- Demonstrate knowledge and skills of accounting, finance, economics, management, and marketing;
- Use written and oral skills as well as technology to communicate effectively;
- Interpret business law and recognize the importance of institutional policies;
- Examine business situations and apply knowledge and skills to solve problems and make business decisions.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 118 or MTH 142 recommended)	3-4
Natural Science	7-8
Social Science (ECO 204 required)	6
Arts & Humanities	3
History	3
Diversity	3
Total	31-33

† See General Education Requirements on page 51.

Program Courses	Credits
ACC 110 Principles of Accounting I	3
BUA 220 Principles of Marketing	3
ECO 203 Principles of Microeconomics	3
MTH 143 Statistics I	4

Electives (Select a minimum of 9 credits from the following):

ACC 111 Principles of Accounting II	3	} 9
BUA 102 Principles of Management	3	
BUA 205 Business Law	3	
BUA 206 Business Law II	3	
CIS 111 Programming Fundamentals	3	
CIS 161 Computer Applications	3	
Total	22	

Electives* (MTH 243 OR SPE 102 or COM 200 recommended)	5-7
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Total Required for Degree 60

**Selection of electives should be based on knowledge of their acceptability in transfer to the receiving college. Rowan University requires the completion of MTH 143 and MTH 142 or MTH 118 for admission into the College of Business.*



Associate of Applied Science, (AAS.BMT)

This program prepares students for entry-level and middle management positions in business, government, and social service agencies. A combination of general business, management, and general education courses provides the necessary decision-making and problem solving skills needed in a changing business environment.

Students wishing to transfer to baccalaureate degree programs are strongly advised to seek information regarding admission and transfer requirements for those programs.

Graduates of this program should be able to:

- Recognize the importance of the global market;
- Demonstrate the capacity to utilize terminology common to the business environment in order to facilitate effective communication;
- Demonstrate an awareness of and a concern for the ethical implications of institutional policies and individual practices;
- Demonstrate an understanding of accounting systems;
- Be proficient in the use of technology for business applications and research.

General Education Courses †	Credits
Written & Oral Communications (SPE 102 required)	6
Mathematics (MTH 107 recommended)	3
Natural Science	4
Social Science (PSY 101 recommended)	3
Arts & Humanities	3
Additional General Education Requirements (Any diversity course listed on page 51)	3
Total	22

† See General Education Requirements on page 52.

Program Courses	Credits
ACC 110 Principles of Accounting I	3
ACC 111 Principles of Accounting II	3
BUA 102 Principles of Management	3
BUA 205 Business Law I	3
BUA 206 Business Law II	3
BUA 220 Principles of Marketing	3
CIS 161 Computer Applications	3
ECO 203 Principles of Microeconomics	3
ECO 204 Principles of Macroeconomics	3
ENG 105 Technical Writing	3
or	3
COM 200 Business and Prof. Communication	3
Total	30

Electives (recommended)	8
BUA 101 Business Functions in a Global Society	
CIS 111 Programming Fundamentals	
COM 200 Business and Professional Communication	

Total Required for Degree	60
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Career Certificate, (SPC.BTC)

This program will give students exposure to coursework that will assist them in attaining business technology jobs, focusing on entry-level office positions. Also if students choose to continue at RCBC after attaining the certificate, the coursework will provide a solid foundation for students seeking to attain a Business Administration degree. The certificate program requires a minimum of 18 credits.

Program Courses		Credits
CIS 161	Computer Applications	3
<i>Select three courses (9 credits) from the following:</i>		
BUA 102	Principles of Management	3
BUA 205	Business Law I	3
BUA 220	Principles of Marketing	3
ACC 110	Principles of Accounting I	3
<i>Select one course (3 credits) from the following:</i>		
ENG 101	College Composition I	3
COM 200	Business and Professional Communication	3
SPE 102	Public Speaking	3
<i>Select one course (3 credits) from the following:</i>		
PSY 101	General Psychology	3
SOC 101	Principles of Sociology	3
ECO 203	Principles of Microeconomics	3
ECO 204	Principles of Macroeconomics	3
Total Required Credits		18



Associate of Applied Science, (AAS.MCR)

This program prepares students for a career in the field of Cancer Registry Management. Cancer registration is an important and fundamental tool in cancer control. A cancer registry has been defined as a system for the collection, storage, analysis, and interpretation of data on persons with cancer, within a healthcare facility or group of healthcare facilities.

Certified Tumor Registrars (CTR) are data information specialists that capture a complete history, diagnosis, treatment, and health status for every cancer patient in the U.S. The data provide essential information to researchers, healthcare providers, and public health officials to better monitor and advance cancer treatments, conduct research, and improve cancer prevention and screening programs. Registrars work closely with physicians, administrators, researchers, and healthcare planners to provide support for cancer program development, ensure compliance of reporting standards, and serve as a valuable resource for cancer information with the ultimate goal of preventing and controlling cancer.

Students interested in this program should attend a HIM information session and visit the HIM website at rcbc.edu/cancer-registry-management/associate-applied-science. The Cancer Registry Management program applies selective admission standards. Therefore admission to the college does not guarantee admission to the program. Students must take ENG 101 English Composition, MTH 107 Introduction to Statistics, and BIO 110/111 Anatomy & Physiology I with Lab and have a cumulative GPA of 2.77 or higher BEFORE submitting an application to the program (see website – rcbc.edu/him). The application deadline for the fall semester is June 1 and the application deadline for spring is October 1. Notifications will be made on July 1 and November 1 respectively. A criminal history background check and physical exam, including immunizations, flu shot, hepatitis B shot and drug screening (when applicable) will be required prior to clinicals.

Graduates of this program should be able to:

- Demonstrate skills in relation to Data Collection (case finding; abstracting; and follow-up, survivorship & outcomes), Data Quality Assurance, Analysis and Data Usage, Operations & Management, Cancer Committee and Conference, and Activities Unique to Centralized Registries;
- Have knowledge and skills required to be competent in all registry tasks necessary for an entry level cancer registrar position and attain the technical knowledge appropriate for entry level on the CTR examination;
- Demonstrate oral and written communication skills necessary to interact with other health care professionals;
- Model professionalism including; demonstrate a good work ethic and participate in personal and professional growth opportunities.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 and SPE 102 required)	6
Mathematics (MTH 107 required)	3
Natural Science (BIO 110/111 required)	4
Social Science (PSY 101 required)	3
Additional General Education Requirements (BIO 114 or BIO 212 and CIS 161 required)	6
Total	22

† See General Education Requirements on page 53.

Program Courses	Credits
COM 200 Business and Professional Communication	3
HIT 103 Legal Aspects of Health Information	3
HIT 106 Medical Terminology	3
HIT 115 Pathophysiology	3
HIT 117 Pharmacology	3
HIT 224 Healthcare Information Systems	3
MCR 101 Cancer Registry Structure & Mgmt.	3
MCR 104 Cancer Registry Operations	3
MCR 111 Cancer Disease Coding and Staging	3
MCR 114 Oncology Treatment and Coding	3
MCR 201 Abstracting Methods	3
MCR 204 Follow Up, Data Quality, & Utilization	3
MCR 211 Multiple Primary Histology & Hematopoietics	3
MCR 220 Cancer Registry Clinical I	2
MCR 221 Cancer Registry Clinical II	2
Total	43

Total Required for Degree 65

The Rowan College at Burlington County Cancer Registry management is Accredited by the Formal Education Program Review Committee (FEPRC) of the National Cancer Registrars Association (NCRA), 1330 Braddock Place, Suite 520, Alexandria, VA 22314. (703) 299-6640



Career Certificate, (SPC.MCR)

This program prepares students for a career in the field of Cancer Registry Management. Cancer registration is an important and fundamental tool in cancer control. A cancer registry has been defined as a system for the collection, storage, analysis, and interpretation of data on persons with cancer, within a healthcare facility or group of healthcare facilities. This certificate fulfills Path A-2 of the National Cancer Registry Association (NCRA) requirements to sit for the Certified Tumor Registry (CTR) exam.

Certified Tumor Registrars are data information specialists that capture a complete history, diagnosis, treatment, and health status for every cancer patient in the U.S.

The Cancer Registry Management Program curriculum was designed so that:

- 1) a student who is a credentialed registered health information technician (RHIT) and possesses an A.A.S. degree, with the required NCRA prerequisites, can take the cancer registry courses and receive a certificate upon completion.
- 2) a student who possesses a minimum of an associate degree (or the equivalent of 60 college credit hours) and completes the four (4) required NCRA prerequisite courses: Medical Terminology, Anatomy & Physiology I & II lecture and healthcare computing can take the cancer registry courses and receive a certificate upon completion.

The program will consist of nine courses including lectures, hands on activity and 160-180 hours of clinical.

Graduates of this program should be able to:

- Demonstrate skills in relation to Data Collection (case finding; abstracting; and follow-up, survivorship & outcomes), Data Quality Assurance, Analysis and Data Usage, Operations & Management, Cancer Committee and Conference, and Activities Unique to Centralized Registries;
- Will have knowledge and skills required to be competent in all registry tasks necessary for an entry level cancer registrar position and attain the technical knowledge appropriate for entry level on the CTR examination;
- Demonstrate oral and written communication skills necessary to interact with other health care professionals;
- Model professionalism including; demonstrate a good work ethic and participate in personal and professional growth opportunities.

Program Courses		Credits
MCR 101	Cancer Registry Structure and Management	3
MCR 104	Cancer Registry Operations	3
MCR 111	Cancer Registry Disease Coding and Staging	3
MCR 114	Oncology and Coding	3
MCR 201	Abstracting Methods	3
MCR 204	F/U, D.Q. & Utilization	3
MCR 211	Multiple Primary and Hematopoietics	3
MCR 220	Clinical I	2
MCR 221	Clinical II	2
Total Required Credits		25

The Rowan College at Burlington County
Cancer Registry Management is Accredited by the
Formal Education Program Review Committee (FEPRC)
of the National Cancer Registrars Association (NCRA),
1330 Braddock Place, Suite 520, Alexandria, VA 22314.
(703) 299-6640



Option to Liberal Arts and Sciences, (AS.CGR)

This program is designed to parallel the first two years of a program in Chemical Engineering at a four-year college or university. Some of the area institutions offering programs in Chemical Engineering are: Rowan University, New Jersey Institute of Technology (Newark), Drexel University (Philadelphia), and Rutgers University (New Brunswick). Selection of courses should be made on the knowledge of their acceptability in transfer to the receiving college or university. Graduates of Chemical Engineering work at manufacturing companies in chemical processes such as petrochemical refineries and pharmaceutical companies to name a few.

Graduates of this program should be able to:

- Demonstrate a thorough knowledge of chemistry by analyzing information and solving problems;
- Have the skills required to work safely and effectively in a scientific laboratory;
- Discuss areas related to chemistry such as ethics, information technology, intellectual property and regulatory compliance;
- Demonstrate the ability to communicate effectively both verbally and in writing.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 118 required)	4
Natural Science (PHY 210/211 & CHE 115/116 required)	8
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	33

† See General Education Requirements on page 51.

Program Courses	Credits
CHE 117 General Chemistry II	3
CHE 118 General Chemistry II Laboratory	1
CHE 240 Organic Chemistry I	3
CHE 241 Organic Chemistry I Laboratory	1
CHE 242 Organic Chemistry II	3
CHE 243 Organic Chemistry II Laboratory	1
EGR 104* Engineering Design Fundamentals	4
OR	4
EGR 151* Freshman Engineering Clinic I	2
EGR 152* Freshman Engineering Clinic II	2
MTH 119 Calculus II and Analytic Geometry	4
MTH 220 Calculus III and Analytic Geometry	4
Total	24

Electives (recommended):	3
CSE 110 Introduction to Computer Science	
CSE 135 Computer Programming and Problem Solving	
MTH 201 Linear Algebra	
MTH 230 Differential Equations	
PHY 212/213 General Physics II & Lab	

Total Required for Degree 60

*Students transferring to Rowan University should take EGR 151 and EGR 152. Students transferring to an institution other than Rowan University should take EGR 104.



Option to Liberal Arts and Sciences, (AS.CHE)

This program prepares students for transfer into baccalaureate programs leading to careers in fields such as industrial chemist, pharmaceutical chemist, medicine, pharmacy, and environmental technology.

Graduates of this program should be able to:

- Demonstrate a thorough knowledge of chemistry by analyzing information and solving problems;
- Have the skills required to work safely and effectively in a scientific laboratory;
- Discuss areas related to chemistry such as ethics, information technology, intellectual property and regulatory compliance;
- Demonstrate the ability to communicate effectively both verbally and in writing.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 118 required)	4
Natural Science (PHY 210/211 & PHY 212/213 required)	8
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	33

† See General Education Requirements on page 51.

Program Courses	Credits
CHE 115 General Chemistry I	3
CHE 116 General Chemistry I Laboratory	1
CHE 117 General Chemistry II	3
CHE 118 General Chemistry II Laboratory	1
CHE 240 Organic Chemistry I	3
CHE 241 Organic Chemistry I Laboratory	1
CHE 242 Organic Chemistry II	3
CHE 243 Organic Chemistry II Laboratory	1
MTH 119 Calculus II and Analytic Geometry	4
Total	20
Electives (recommended):	7
MTH 220 Calculus III and Analytic Geometry	
BIO 103 General Biology I	
Total Required for Degree	60

Career Certificate, (SPC.ACO)

This program will prepare students for entry level employment as a medical coder in the inpatient or other medical settings such as clinics, physician offices, health insurance companies, and consulting firms. Student will acquire basic knowledge to: assign diagnoses/procedure codes using ICD-10-CM/PCS; assign procedure codes using CPT-4; validate coding accuracy using clinical information in the patient's health record; use electronic application and work processes to support clinical classification and coding; understand Major Complications or Comorbidity (MCC) and Complication or Comorbidity (CC); understand Diagnostic Related Groups (DRG's); understand interpret and apply regulatory guidelines; and prepare for the coding certification exam of the student's choice.

Students will receive a career certificate and 24 credits that can easily transfer to the HIT associate degree. If you plan to continue into the HIT associate degree program (AAS.HIT), replace HIM 110 with BIO 110: Anatomy & Physiology (A&P) I and BIO 114 Anatomy & Physiology (A&P) II. Please note the HIT degree program also requires the A&P labs (BIO 111 & BIO 115). The program is offered in an online format.

Admission requirements: Graduation from high school or attainment of a GED. Students must apply to the program (see website – rcbc.edu/him). Current RCBC students must have a cumulative GPA of 2.77 or higher.

Students are required to purchase an access code for the AHIMA Virtual Lab.

Required Courses Include		Credits
HIM 110	Human Body in Health and Disease	3
HIT 106	Medical Terminology	3
HIT 115	Pathophysiology	3
HIT 117	Pharmacology	3
HIT 118	Introduction to Coding	3
HIT 205	HCPCS Coding (CPT-4)	3
HIT 209	ICD-10-CM Coding	3
HIT 210	ICD-10-PCS Coding	3
HIT 211	Reimbursement Methodologies	3
Total Required Credits		27



Option to Liberal Arts, (AA.COM)

Communication Arts trains students in interpersonal, group, and public communications. The Communication program has as its goal the education of individuals who will actively engage in successful communications in various areas of public life. This preparation is concentrated in two areas: writing and production. The first area is concerned with providing students with the education needed in fields such as print and broadcast journalism, public relations, advertising, and marketing. The second area is concerned with providing students with education needed in radio and television behind the scenes production. Students are advised that employment in both of these fields traditionally requires education beyond the A.A. degree and practical experience in the field.

Students planning to transfer after graduation should consult the catalog of the college where they intend to complete their studies.

Graduates of this program should be able to:

- Demonstrate practical application of skills in their area of specificity;
- Form critical judgments about the interaction of society and the various media;
- Make ethical decisions about the duties and responsibilities of the media and those involved in public communications;
- Analyze the effective use of language in a variety of environments and modes.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics	3
Natural Science	7-8
Technology	3
Social Science (POL 101 recommended)	6
Arts and Humanities (PHI 105 recommended)	9
History	6
Diversity (ANT 102 recommended)	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
ENG 252 Semantics	3
COM 200 Business and Professional Communication	3

Select six credit hours from the following:

COM 105 Writing for Mass Media	3	6
ENG 251 Creative Writing	3	
JOU 101 Introduction to Journalistic Writing I	3	
SOC 207 Communication, Mass Media & Society	3	
Total	12	

Electives	1-2
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Total Required for Degree	60
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Computed Tomography



Career Certificate, (SPC.CTC)

This program is designed to give the ARRT, American Registry of Radiologic Technologists, credentialed radiologic technologist the ability to seek a position as a Computed Tomography Technologist upon completion. The 18 career credits are based on the ASRT, American Society of Radiologic Technologists, Curriculum Guide for Computed Tomography. The enrolled student will be given the knowledge and clinical time necessary to prepare for the ARRT CT examination. The program includes courses utilizing hybrid (online and in class) instruction. The course are generally offered in 7-week blocks during the fall and spring semesters. The two 15-week clinical components of 270 hours are taken in the fall and the spring. An additional 10-week summer clinical of 108 hours is available to those students requiring additional clinical time.

Admitted students must:

- Hold ARRT, RT(R) credentials
- Hold a State of New Jersey Diagnostic Radiography license;
- Complete a satisfactory physical examination indicating they can perform the rigorous program activities;
- Undergo and pass a criminal background check and drug screening;
- Maintain malpractice/liability insurance and personal health insurance throughout the program;
- Students are responsible for their own transportation to clinical sites.

Limitation: See program coordinator.

Program Courses		Credits
CTP 110	Introduction to Computed Tomography	3
CTP 120	CT Sectional Anatomy and Pathology	3
CTP 130	CT Procedures	3
CTP 140	CT Physics and Equipment	3
CTP 150	CT Clinical Education I	3
CTP 151	CT Clinical Education II	3
CTP 152*	CT Clinical Education III	2
Total Required Credits		18

**CPT 152 is optional.*



Option to Electrical Engineering Technology, (AAS.ECT)

The Computer Engineering Technology option to the Electrical Engineering Technology program provides a solid theoretical foundation as well as practical “hands-on” laboratory experiences in electronics and computers. This option includes some electronic courses as well as computer and networking courses to enable graduates to pursue a career as a computer and network technician.

The mission of the Rowan College at Burlington County Electrical Engineering Technology program and Computer Engineering Technology option is to produce graduates who are able to obtain employment as a technician or transfer to a four-year college. In addition, graduates will be technically competent, able to communicate effectively, work well with others and demonstrate professionalism.

Graduates of this option should be able to:

- Apply knowledge, techniques, skills, and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline;
- Design solutions for well-defined technical problems and assist with engineering design of systems, components, or processes appropriate to the discipline;
- Conduct standard tests, measurements, and experiments to analyze and interpret results;
- Function effectively as a member of a technical team;
- Apply written, oral, and graphical communication in both technical and non-technical environments; and identity and use appropriate technical literature.

The Electrical Engineering Technology program and Computer Engineering Technology option, who during the first few years after graduation will:

- Demonstrate learned electrical and systems engineering tools to design/redesign integrated systems/processes, solve problems, implement innovative solutions, and improve structural outcomes;
- Lead effectively and work productively in teams demonstrating strong communication skills;
- Continue to develop professionally through undergraduate/graduate study, continuing education in electrical engineering, professional societies, or related areas;
- Demonstrate awareness of the ethical responsibilities of the profession in a diverse global environment.

Students graduating from this program must successfully complete a minimum of 12 semester hours of management and/or technical course work at Rowan College at Burlington County.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 and SPE 102 required)	6
Mathematics (MTH 130 required)	4
Natural Science (PHY 110/111 required)	4
Social Science (SOC 160 required)	3
Arts & Humanities	3
Additional General Education Requirements (MTH 118 required)	4
Total	24

† See General Education Requirements on page 52.

Program Courses	Credits
CIS 138 Introduction to Operating Systems	4
CIS 150 Networking Fundamentals	4
CSE 110 Introduction to Computer Science I	4
CSE 210 Machine and Assembler Language Programming	3
EET 121 Circuits I	4
EET 210 IT Essentials: A+	4
EET 240 Digital Electronics	4
EGR 151 Freshman Engineering Clinic I	2
EGR 152 Freshman Engineering Clinic II	2
EGR 251 Sophomore Engineering Clinic I	1
EGR 252 Sophomore Engineering Clinic II	1
ENG 105 Technical Writing	3
Total	36

Total Required for Degree 60



Associate of Science, (AS.INF)

This program is designed for students who intend to complete a baccalaureate degree in Information Systems with an emphasis on business applications of information systems in the decision-making and data processing environment.

Students should consult the catalog of the college where they intend to complete their studies and enroll in courses which will meet transfer requirements.

Graduates of this program should be able to:

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions;
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of a program's discipline;
- Communicate effectively in a variety of professional contexts;
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles;
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline;
- Support the delivery, use, and management of information systems within an information systems environment.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 142 required)	3
Natural Science	7
Social Science (SOC 160 recommended)	6
Arts & Humanities	3
History	3
Diversity	3
Total	31

† See General Education Requirements on page 51.

Program Courses	Credits
CIS 150 Networking Fundamentals	4
CSE 110 Introduction to Computer Science I	4
CSE 112 Introduction to Computer Science II	4
CSE 135 Computer Programming & Problem Solving	3
CSE 213 Database Systems	3
MTH 226 Discrete Mathematics	3
Total	21

Electives (select a minimum of 8 credits from the following):

ACC 110 Principles of Accounting I	3	8
CIS 165 Network & Systems Administration	4	
CIS 200 Fundamentals of Network Security	4	
CSE 222 Advanced Programming Workshop I	2	
CSE 223 Advanced Programming Workshop II	2	
MTH 119 Calculus II and Analytic Geometry	4	
MTH 143 Statistics I	3	

Total Required for Degree 60



Students graduating from this program must successfully complete a minimum of 12 semester hours of management and/or technical course work at Rowan College at Burlington County.

Computer Management Information Systems



Associate of Applied Science, (AAS.MIS)

This program is designed primarily to meet the needs of those students who intend to seek immediate employment in the business world. The student will receive background in theory and practice in modern computer programming, applications, and business systems analysis.

Management Information Systems is a very specialized area within the computer field. In addition to courses in information processing, the curriculum includes courses in business-related subjects.

Graduates of this program should be able to:

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions;
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of a program's discipline;
- Communicate effectively in a variety of professional contexts;
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles;
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline;
- Identify and analyze user needs and take them into account in the selection, creation, integration, evaluation, and administration of computing-based systems.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 141 required)	3
Natural Science	4
Social Science	3
Arts & Humanities	3
Additional General Education Requirements (Required – any diversity course listed on page 51)	3
Total	22

† See General Education Requirements on page 52.

Program Courses	Credits
ACC 110 Principles of Accounting I	3
ACC 111 Principles of Accounting II	3
BUA 101 Business Functions in a Global Society	3
CIS 132 MS Access Techniques and Programming	3
CIS 139 Introduction to Python	3
CIS 150 Networking Fundamentals	4
CIS 165 Network and Systems Administration	4
CIS 230 Systems Analysis and Design	3
ENG 105 Technical Writing	3
Total	29

Electives* (recommended)	9
Any course in Computer Information Systems (CIS), Computer Science (CSE), or Electrical Engineering Technology (EET)	

Total Required For Degree	60
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The Association of Technology,
Management, and Applied Engineering

Students graduating from this program must successfully complete a minimum of 12 semester hours of management and/or technical course work at Rowan College at Burlington County.

** CIS 111 is recommended for Rowan University.*



Career Certificate, (SPC.EET)

This special program will enable students to prepare for both A+ and CISCO-CCNA Certification examinations. These two industry-recognized certificates would qualify the individuals for numerous job opportunities as Computer and Networking Service Technicians. All courses in this certificate apply toward Computer Networking Technology AAS degree program.

Program Courses		Credits
EET 121	Circuits I*	4
CIS 150	Networking Fundamentals	4
CIS 165	Network and Systems Administration	4
CIS 200	Fundamentals of Network Security	4
CIS 207	Introduction to Computer Forensics	3
EET 210	IT Essentials: A+	4
EET 240	Digital Electronics	4
Total Required Credits		27

**If the student does not have a previous background in circuits it is recommended that he/she/they take EET 101.*



Associate of Science, (AS.CSE)

This program is designed to prepare graduates for transfer to four-year colleges and universities offering baccalaureate majors in computer science, information systems, and related fields.

Students should consult the catalog of the college where they intend to complete their bachelor's degree studies and enroll in courses which will meet transfer requirements.

Graduates of this program should be able to:

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions;
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of a program's discipline;
- Communicate effectively in a variety of professional contexts;
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles;
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline;
- Apply computer science theory and software development fundamentals to produce computing-based solutions.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 118 required)	4
Natural Science (PHY 210/211 required, BIO 103/104, CHE 115/116* or PHY 212*/213*)	8
Social Science Any**	6
Arts & Humanities	3
History	3
Diversity	3
Total	33

† See General Education Requirements on page 51.

Program Courses	Credits
CSE 110 Introduction to Computer Science I	4
CSE 112 Introduction to Computer Science II	4
CSE 210 Machine & Assembler Language	3
MTH 119 Calculus II and Analytic Geometry	4
MTH 226 Discrete Mathematics	3

Electives (Select a minimum of 9 credits from the following):

CSE 114*	Object Oriented Programming and Data Abstraction	4	9
CSE 135	Computer Programming and Problem Solving	3	
CSE 215	Programming Languages	3	
CSE 222	Advanced Programming Workshop	2	
CSE 223	Advanced Programming Workshop II	2	
CSE 225	Computer Organization	3	
MTH 201*	Linear Algebra	3	
PHY 212	General Physics II	3	
PHY 213	General Physics Laboratory II	1	
Total		27	

Total Required for Degree 60



Students graduating from this program must successfully complete a minimum of 12 semester hours of management and/or technical course work at Rowan College at Burlington County.

*Indicates course is recommended for Rowan University.
**SOC 160 is recommended as one of the social sciences for Rowan University.



Option to Liberal Arts and Sciences, (AS.CON)

Construction management is a dynamic profession – a combination of technology, art and science. While an understanding of the technical aspects of construction is extremely important, it is also essential that construction professionals have a comprehensive knowledge of the business and management aspects of the profession.

And though construction has traditionally been a very conservative industry, the increasing rate of technological development and competition in the industry have served to accelerate the development of new construction methods, equipment, materials, and management techniques. As a result of these forces, there is an increasing need for innovative and professionally competent construction professionals. Students enrolled in the Construction Management program receive broad academic, technical, business, and construction management courses that are designed to produce well-rounded construction professionals.

Graduates of this program should be able to:

- Demonstrate an understanding of safety, management and supervision principles;
- Apply construction law and knowledge of contracts to construction principles;
- Analyze construction documents, drawings and building materials;
- Communicate effectively with a wide variety of stakeholders;
- Use technology to support management projects.

Options after graduation:

Career Opportunities: Graduates of the Construction Management program have secured entry-level positions as assistant project managers, estimators, schedulers, and field superintendents for general contractors, subcontractors, and construction managers. Some are employed as owner-representatives working for architectural firms, consulting engineering firms, commercial companies, and institutions that have needs for building or other construction projects.

General Education Courses †		Credits
Written & Oral Communications		6
Mathematics (MTH 130 required)		4
Natural Science (PHY 110/111 & PHY 112/113 required)		8
Social Science (ECO 203 required)		6
Arts & Humanities (PHI 101 recommended)		3
History (HIS 102 recommended)		3
Diversity		3
Total		33

† See General Education Requirements on page 51.

Program Courses		Credits
BUA 205	Business Law I	3
CON 101	Building Materials and Construction Methods	3
CON 102	Building Materials and Construction Methods II	3
CON 220	Understanding Construction Drawings	3
EGR 110	Design Computer Graphics I	3
TEC 120	Safety Management	3
TEC 212	Project Management	3
Total		21

Program Electives		Credits
<i>Select 6 credit hours from the following:</i>		
TEC 101	Career Readiness	1
TEC 201	Career Readiness II	1
TEC 202	Career Readiness III	1
EGR 203	Surveying	3
SST 100	Principles of Sustainability	3
ALT 110	Energy Auditing Residential Buildings	3
ALT 113	Alternative Energy Sources	3
TEC 211	Entrepreneurship	3
Total		6

Total Required for Degree 60

Cooking and Baking



Career Certificate, (SPC.FCB)

This certificate provides students with the knowledge and skills necessary for an entry-level position in a commercial kitchen or bakery. Students will be able to demonstrate basic culinary skills, practice sanitary food handling, and incorporate basic nutrition principles into recipes.

Students can use these courses towards the Food Service and Hospitality Management and the Culinary Technology degree.

Program Courses		Credits
CUL 107	Culinary Arts	4
CUL 125	Foundations of Baking	3
CUL 160	Patisserie	4
CUL 203	Garde Manger	4
CUL 230	Culinary Practicum	2
FSM 125	Food Service Sanitation & Accident Prevention	2
FSM 215	Elementary Nutrition	2

Select one 4-credit course from the following:

CUL 122	Techniques and Traditions	4	4
	or		
CUL 235	Advanced Baking	4	
Total Required Credits			25



Associate of Science, (AS.CRJ)

The Criminal Justice program provides students with an education based in a liberal arts core and interdisciplinary criminal justice curriculum. The criminal justice aspect focuses on law, law enforcement, and corrections. It examines legal systems, the impact of crime, the criminal justice system's role, and organization and techniques of applied criminal justice through a group of program and specialized elective courses, as well as a program of internship and independent study.

The program prepares students for continuing education in the field, as well as careers in the major institutions of criminal justice and law enforcement on a local, state and federal level. It also acquaints students with the growing career opportunities in the private security and investigation industries.

Students who wish to transfer to a baccalaureate program are strongly advised to seek information regarding admission and transfer requirements.

Criminal justice is an aspect of our lives that is continuously changing with new case decisions, advanced technology and changes in public opinion and policy. The need for educated professionals in the public and private sectors of criminal justice has created many fascinating and rewarding career options. The extreme media and public interest in the system has also provided tremendous increases in the professions of criminal justice.

Graduates of this program should be able to:

- Demonstrate knowledge of the five major Amendments of the U.S. Constitution that apply to the Criminal Justice System, including the 1st, 4th, 5th, 6th, and 8th;
- Demonstrate the application of critical thinking skills in the criminal justice system;
- Analyze the relevance of addiction, socioeconomic status, and environmental factors to criminal behavior and an individual's experience with the criminal justice process;
- Describe the interrelationships between the police, corrections, and court systems.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics	3
Natural Science	7-8
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	31-32

† See General Education Requirements on page 51.

Program Courses	Credits
CRJ 101 Introduction to Criminal Justice	3
CRJ 102 Police Operations and Procedures	3
CRJ 103 Introduction to the Correctional System	3
CRJ 106 Introduction to Court Systems	3

Select 6 credits from the following:

CRJ 111* Criminal Law	3	6
CRJ 113* Criminal Investigations	3	
CRJ 114 Criminalistics	3	
CRJ 203 Legal Rights of the Convicted	3	
CRJ 207 Community Corrections	3	
CRJ 217 Juvenile Delinquency	3	
CRJ 218 Introduction to Private Security	3	18
CRJ 219 Organized Crime	3	
Total		

Electives (recommended):	10-11
CRJ 220 Independent Study in Criminal Justice	
POL 215 Constitutional Law	

Total Required for Degree 60

*CRJ 111 and CRJ 113 are recommended for the 3+1 Law and Justice Studies program.



Associate of Applied Science, (AAS.CLT)

The Culinary Technology curriculum provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of food service settings including full service restaurants, hotels, resorts, clubs, catering operations, contract food service, and health care facilities. Course offerings emphasize practical application, a strong theoretical knowledge base, professionalism, and provide the critical competencies to successfully meet industry demands. Graduates should qualify for entry-level positions, such as line cook, station chef, and assistant pastry chef. With experience, graduates may advance to positions such as sous-chef, executive chef, or food service director.

Graduates of this program should be able to:

- Demonstrate and apply proper use of professional food service equipment, safety and sanitation in the work environment;
- Use basic principles and techniques of food preparation to produce various types of foods;
- Apply knowledge of traditional and contemporary cooking and baking procedures within a variety of world cuisines;
- Evaluate and alter recipes and menus based on different needs, such as quantity and nutrition;
- Identify the concepts of cost control, purchasing and receiving in food service operations;
- Apply industry related knowledge and skills in a professional culinary and service setting.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 113 required)	3
Natural Science	4
Social Science	3
Arts & Humanities	3
Additional General Education Requirements (Required – any diversity course listed on page 51)	3
Total	22

† See General Education Requirements on page 52.

Program Courses	Credits
CUL 107 Culinary Arts	4
CUL 122 Techniques and Traditions	4
CUL 125 Foundations of Professional Baking	3
CUL 211 Purchasing and Menu	3
CUL 216 A La Carte	3
CUL 230 Culinary Practicum	2
FSM 125 Food Service Sanitation and Accident Prevention	2
FSM 215 Elementary Nutrition	2
HOS 110 Introduction to Hospitality	3
HOS 120 Service Management	4
Total	30

Program Electives	Credits
<i>Select 8 credit hours from the pastry or savory track:</i>	
CUL 160 Patisserie - Baking II	4 8
CUL 235 Advanced Baking - Baking III	4
or	
CUL 203 Garde Manger	4 8
CUL 206 Italian Traditions & American Regional Cuisine	4
Total	8

Total Required for Degree 60



Associate in Applied Science, (AAS.IAC)

The mission of the Rowan College at Burlington County Cybersecurity program is to prepare students for careers in the areas of cyber/information security, computer security, network security, information technology criminal investigation, or transfer to a four-year college. Our graduates will be technically competent, able to communicate effectively and demonstrate professionalism. Students who plan to transfer to a 4-year college should select electives based on the requirements of the college they intend to transfer to.

Graduates of this program should be able to:

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions;
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of a program's discipline;
- Communicate effectively in a variety of professional contexts;
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles;
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline;
- Apply security principles and practices to the environment, hardware, software, and human aspects of a system;
- Analyze and evaluate systems with respect to maintaining operations in the presence of risks and threats.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 and SPE 102 required)	6
Mathematics (MTH 130 required)	4
Natural Science	4
Arts & Humanities	3
Social Science (SOC 160 required)	3
Additional General Education Requirements (MTH 226 required)	3
Total	23

† See General Education Requirements on page 52.

Program Courses	Credits
CIS 138 Introduction to Operating Systems	4
CIS 150 Networking Fundamentals	4
CIS 165 Network and Systems Administration	4
CIS 200 Fundamentals of Network Security	4
CIS 207 Introduction to Computer Forensics	3
CIS 208 Introduction to Cybersecurity	3
CIS 215 Penetration Testing Fundamentals	3
CIS 218 Ethical Hacking Fundamentals	3

Select 3 credits hours from the following:

CIS 111 Programming Fundamentals	3	3
CSE 135* Computer Programming and Problem Solving	3	
CIS 139 Introduction to Python	3	
Total		31

Electives (recommended):	6
ENG 102* College Composition II	
CIS 161 Computer Applications	
CSE 110* Introduction to Computer Science	
CSE 151 Introduction to JAVA	
CRJ 101 Introduction to Criminal Justice	
CRJ 207 Community Corrections	
CRJ 218 Introduction to Private Security	

Total Required for Degree **60**

* Indicates courses required for 3+1 in Computing and Informatics.



ACCREDITED BY
ATMAE
The Association of Technology,
Management, and Applied Engineering

Students graduating from this program must successfully complete a minimum of 12 semester hours of management and/or technical course work at Rowan College at Burlington County.



Associate of Applied Science, (AAS.DHY)

This program prepares students for a career as a Registered Dental Hygienist by combining classroom instruction with laboratory and clinical experience. It is a rigorous and demanding program, both physically and academically, providing students with a knowledge base to integrate manual skills with the delivery of high-quality oral health care services.

The program emphasizes skills in communication, critical thinking, personal integrity, assessment and evaluation of a variety of treatment options. It prepares students to interact with patients as clinician, health educator, prevention specialist, and counselor in order to deliver a total health maintenance package.

The New Jersey Board of Dentistry regulates dental hygiene licensure. All persons desiring to practice dental hygiene in New Jersey shall first secure a license from the Board. Licensure applicants must demonstrate competence by passing both the National Dental Hygiene Boards and the American Dental Hygiene Licensing Examination. Successful completion of the New Jersey Jurisprudence examination and an affidavit of good moral character are also required. Additionally, the Board of Dentistry requests a criminal background check.

Students interested in Dental Hygiene should attend one of our informational seminars, held periodically throughout the year.

Enrollment is limited. Admitted students must:

- hold current certification in CPR for health care professionals;
- satisfactorily complete a physical examination which indicates that they can participate in all clinical activities;
- maintain malpractice/liability insurance and personal health insurance throughout the program;
- undergo and pass a criminal background check and drug screening.

Attendance at extramural clinical sites for enrichment of experience is mandatory. Students are also responsible for their own transportation to specified sites.

The program includes clinical experience in the process of dental hygiene care. Students are apprised that they may be exposed to bloodborne pathogens and potentially infectious diseases. They are also required to sit as patients for their student partners. The program includes education and training to ensure the safety of the student, the public, and the faculty and staff.

Graduates of this program should be able to:

- Develop self-awareness, self-direction, critical think skills, self-evaluative skills, and professional accountability;
- Obtain entry-level positions as professional dental hygienists with the ability to transfer to accredited institutions of higher learning;
- Practice within the legal, ethical, and regulatory framework and standards of professional dental hygiene practice;
- Participate as members of their professional organizations and serve their community as healthcare professionals.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 and SPE 102 required)	6
Mathematics (MTH 107 required)	3
Natural Science (BIO 110/111 required)	4
Social Science (PSY 101 required)	3
Additional General Education Requirements (SOC 101 and CHE 210 required)	6
Total	22

† See General Education Requirements on page 53.

Program Courses	Credits
BIO 114 Fundamentals of Anatomy & Physiology II	3
BIO 115 Fundamentals of Anatomy & Physiology II Lab	1
BIO 155 Basic Microbiology	3
BIO 156 Basic Microbiology Lab	1
CHE 107 Chemistry	3
CHE 108 Chemistry Lab	1
DHY 101 Pre-clinical Dental Hygiene	4
DHY 110 Dental Head and Neck Anatomy	3
DHY 120 Dental Radiology	3
DHY 130 Dental and Medical Emergencies	1
DHY 140 Oral Embryology and Histology	2
DHY 151 Clinical Services I	4
DHY 160 Periodontology I	2
DHY 200 Dental Pharmacology and Pain Control	2
DHY 201 Clinical Services II	4
DHY 210 Periodontology II	2
DHY 220 Oral Pathology	3
DHY 222 Local Anesthesia	1
DHY 240 Dental Public Health	3
DHY 241 Supportive Therapies	3
DHY 251 Clinical Services III	4
Total	53

Total Required for Degree 75

The Rowan College at Burlington County
Dental Hygiene Program is accredited by:
American Dental Association's Commission on Dental Accreditation,
211 East Chicago Ave, Chicago, Illinois, 60611
Telephone 1-800-621-8099 ext 2718

Diagnostic Medical Sonography



Associate of Applied Science, (AAS.DMS)

This accredited program prepares students for a career as a Diagnostic Medical Sonographer. A Sonographer is a medical professional who performs diagnostic imaging in which a radiologist will read and transcribe an official report of findings. This diagnostic imaging modality utilizes sound waves to perform diagnostic imaging. Students will learn about anatomy, pathology, protocols of examinations, and how to interact with other medical professionals and physicians to enable the best care to be provided for patients.

The program consists of academic, laboratory, and clinical components. General Education and program courses provide a foundation in the knowledge and skills needed to develop a life of personal fulfillment and contribution to society. Content areas of the academic component include radiology organization and procedures, patient care, ultrasound equipment, future uses of ultrasound technology, and the anatomy, physiology, pathology and vasculature of the abdomen, pelvis, obstetric, gynecologic, and limited vascular specialties. Experience at the clinical education setting and the on-campus lab is required to successfully complete the competency-based clinical component.

The program emphasizes communication, critical thinking, personal integrity, assessment and evaluation of ultrasound images and performance of diagnostic ultrasound exams. It prepares students to interact with patients as well as all health care professionals.

Students who are interested in this program should plan to attend a DMS Information Seminar, which is held periodically throughout the year. The application is available at rcbc.edu/DMS.

Basic requirements for admission include: High school diploma or GED; High school level algebra and biology or equivalent college course work with a grade of C or better; achievement of a cumulative GPA of 3.0 or greater in all college course work; CPR certification through the American Heart Association BLS for Health Care Providers; satisfactory Physical examination indicating they can perform required activities outlined in the student handbook; must be 18 years of age at the start of the program, maintain personal health insurance throughout the program; Clear background check, PA FBI fingerprinting, and PA child abuse clearance; negative drug screen; and students are responsible for their own transportation to/from clinical sites.

Graduates of this program should be able to:

- Perform non-invasive and imaging ultrasound examinations;
- Apply their technical knowledge while operating ultrasound equipment;
- Utilize their knowledge in the outpatient and/or hospital settings;
- Discuss healthcare related issues with other healthcare professionals.

Commission on Accreditation of Allied Health Education Programs (CAAHEP), 9355 113th Street N., #7709, Seminole, FL 33775, (727) 210-2350. In collaboration with: Joint Review Committee — Diagnostic Medical Sonography (JRC-DMS), 6021 University Boulevard, Suite 500, Ellicott City, MD 21043, (443) 973-3251

General Education Courses †	Credits
Written & Oral Communications (ENG 101 and ENG 102 required)	6
Mathematics (MTH 107 required)	3
Natural Science (BIO 110/111 or BIO 208/209 required)	4
Social Science (PSY 101 required)	3
Additional General Education Requirements (BIO 114/115 or BIO 212/213, HIT 106, PHY 107* required)	10
Total	26

† See General Education Requirements on page 53.

Program Courses	Credits
DMS 101 Introduction to Sonography	2
DMS 102 Cross Sectional Anatomy	2
DMS 107 Ultrasound Abdomen	3
DMS 108 Ultrasound Abdomen Lab	1
DMS 110 Ultrasound Physics I	2
DMS 113 Ultrasound OB/GYN I	2
DMS 114 Ultrasound OB/GYN I Lab	1
DMS 130 Ultrasound Pediatrics and Small Parts	2
DMS 131 Ultrasound Pediatrics and Small Parts Lab	1
DMS 211 Ultrasound Physics II	2
DMS 214 Ultrasound OB/GYN II	3
DMS 215 Ultrasound OB/GYN II Lab	1
DMS 218 Introduction to Ultrasound Vascular	2
DMS 219 Introduction to Ultrasound Vascular Lab	1
DMS 220 Clinical Practicum I	3
DMS 224 Sonographic Interpretations	2
DMS 230 Clinical Practicum II	4
DMS 240 Clinical Practicum III	4
Total	38

Total Required for Degree 64

*PHY 107 is a prerequisite for admissions to the AAS.DMS program



Option to Liberal Arts and Sciences, (AS.EDU)

In accordance with New Jersey State guidelines and the requirements of many four-year colleges, students who plan to enter the field of education should engage in a broad-based liberal arts curriculum during their freshmen and sophomore years. Students in this program will also study (1) the historical and philosophical foundations of education and (2) the application of psychological theories to educational practices.

Students are advised to select academic courses which will coincide with the subject matter they intend to teach. All students should become familiar with the college catalog of the intended transfer institution.

Graduates of this program customarily transfer to baccalaureate institutions. Graduates not immediately pursuing an additional degree are eligible to substitute teach in New Jersey schools.

Graduates from this program should be able to:

- Describe the historical and philosophical foundations of American education;
- Demonstrate a knowledge of the most widely accepted theories and philosophies of education in practical application;
- Demonstrate written and oral communication skills as an education professional;
- Compare and contrast the role of federal, state, and local government in education;
- Apply common psychological thought to teaching pedagogy.

Please Note: The New Jersey Board of Education revised teacher education guidelines in 2016. It is important that all students who choose a teacher education program contact the Advising Department at RCBC or the college/university where they intend to complete the program to determine the content areas which are acceptable majors for teacher education candidates. Students graduating on or after September 1, 2016 must achieve a cumulative GPA of at least 3.0 or higher for NJ certification. Courses taken at accredited two-year colleges are accepted toward meeting requirements for NJ teacher certification only if such courses appear on an official transcript of a regionally accredited four-year college. It is recommended that students take the Praxis Core before transferring to a four-year college in New Jersey.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 211 recommended)	3
Natural Science (BIO 120/121 recommended)	7
Social Science (SOC 101/PSY 101 recommended)	6
Arts & Humanities	3
History (HIS 101 or 102 recommended)	3
Diversity (ANT 102 recommended)	3
Total	31

† See General Education Requirements on page 51.

Program Courses	Credits
<i>Select at least 9 credits from the following:</i>	
EDU 105 Teaching as a Profession	3
EDU 112 Historical Foundations of American Education	3
EDU 130 Human Exceptionality	3
PSY 250 Educational Psychology	3
PSY 251 Child Psychology	3
PSY 256 Developmental Psychology	3
Total	9

Select 9 credits from the following:

Art (ART), Biology (BIO), Chemistry (CHE), Geography (GEO), History (HIS), Literature (LIT), Mathematics (MTH), Music (MUS or MUC), Political Science (POL), Psychology (PSY), Sociology (SOC), Spanish (SPA) or Theatre (THR)	
Total	9

Electives (recommended):	11
EDU 210* Inclusive Principles and Pedagogy	
MTH 212* Structures of Mathematics II	
SPE 102* Public Speaking	
Total Required for Degree	60

**Students are encouraged to meet with a Transfer Advisor to determine which courses will transfer to their intended four-year college or university.*

Electrical Engineering Technology



Associate of Applied Science, (AAS.EET)

The Electrical Engineering Technology program provides a solid theoretical foundation as well as practical “hands-on” laboratory experiences in Electronics. This program includes traditional EET courses as well as some computer courses to enable graduates to pursue a career as an industrial electrical engineering technician.

The mission of the Rowan College at Burlington County Electrical Engineering Technology program and Computer Networking Technology option is to produce graduates who are able to obtain employment as a technician or transfer to a four-year college. In addition, graduates will be technically competent, able to communicate effectively, work well with others and demonstrate professionalism.

Graduates of this program should be able to:

- Apply knowledge, techniques, skills, and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline;
- Design solutions for well-defined technical problems and assist with engineering design of systems, components, or processes appropriate to the discipline;
- Conduct standard tests, measurements, and experiments to analyze and interpret results;
- Function effectively as a member of a technical team;
- Apply written, oral, and graphical communication in both technical and non-technical environments; and identify and use appropriate technical literature.

The Electrical Engineering Technology program and Computer Networking Technology option, who during the first few years after graduation will:

- Demonstrate learned electrical and systems engineering tools to design/redesign integrated systems/processes, solve problems, implement innovative solutions, and improve structural outcomes.
- Lead effectively and work productively in teams demonstrating strong communication skills.
- Continue to develop professionally through undergraduate/graduate study, continuing education in electrical engineering, professional societies, or related areas.
- Demonstrate awareness of the ethical responsibilities of the profession in a diverse global environment.

Students graduating from this program must successfully complete a minimum of 12 semester hours of management and/or technical course work at Rowan College at Burlington County.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 and SPE 102 required)	6
Mathematics (MTH 130 required)	4
Natural Science (PHY 110/111 required)	4
Social Science (SOC 160 required)	3
Arts & Humanities	3
Additional General Education Requirements (MTH 118 required)	4
Total	24

† See General Education Requirements on page 52.

Program Courses	Credits
CSE 110 Introduction to Computer Science I	4
EET 121 Circuits I	4
EET 222 Circuits II	3
EET 230 Semiconductor Electronics	4
EET 232 Analog Integrated Circuits	4
EET 240 Digital Electronics	4
EGR 151 Freshman Engineering Clinic I	2
EGR 152 Freshman Engineering Clinic II	2
EGR 251 Sophomore Engineering Clinic I	1
EGR 252 Sophomore Engineering Clinic II	1
ENG 102 College Composition II	3
PHY 112 Principles of Physics II	3
PHY 113 Principles of Physics II Laboratory	1
Total	36

Total Required for Degree 60

ACCREDITED - The Rowan College of Burlington County Electrical Engineering Technology is accredited by the Engineering Technology Accreditation Commission of ABET abet.org



Option to Liberal Arts and Sciences, (AS.EGR)

This program is designed for students who intend to transfer to a baccalaureate degree in Engineering. Students planning to transfer after graduation should consult the catalog of the college where they intend to complete their studies and enroll in courses which will meet transfer requirements.

Graduates of this program should be able to:

- Communicate effectively both verbally and in writing;
- Demonstrate effective mathematical skills and application of scientific principles in solving engineering problems;
- Apply critical thinking and problem solving skills in the analysis of data, in the design of experimental procedures and evaluation of outcomes.

RCBC has formal transfer agreements with several area four-year institutions.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 118 required)	4
Natural Science (CHE 115/116 & PHY 210/211 required)	8
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	33

† See General Education Requirements on page 51.

Program Courses	Credits
EGR 151* Freshman Engineering Clinic I	2
EGR 152* Freshman Engineering Clinic II	2
MTH 119 Calculus II and Analytic Geometry	4
MTH 220 Calculus III and Analytic Geometry	4
PHY 212 Physics II	3
PHY 213 Physics II Laboratory	1
Total	16

Program Electives

Select 11 credit hours from the following:

BIO 103/104 General Biology I and Lab	4	11
CHE 117/118 General Chemistry II and Lab	4	
CSE 110** Introduction to Computer Science I	4	
CSE 112 Introduction to Computer Science II	4	
CSE 135** Computer Programming and Problem Solving	3	
EET 240 Digital Electronics	4	
EGR 110 Design Comp Graphics	3	
EGR 201 Engineering Statics	3	
EGR 251* Sophomore Engineering Clinic I	1	
EGR 252* Sophomore Engineering Clinic II	1	
EGR 230 Strength of Materials	3	
MTH 201 Linear Algebra	3	
MTH 230 Differential Equations	4	
SPE 102 Public Speaking	3	
Total	11	

Total Required for Degree 60

* Required for Rowan University Engineering

** CSE 110 is a required elective for Electrical/Computer and Engineering Entrepreneurship and CSE 135 is a required elective for Biomedical and Civil/Environmental Engineering for admissions to Rowan University's College of Engineering.



Option to Liberal Arts, (AA.ENG)

The English major option provides students with a Liberal Arts concentration aimed at developing excellent reading and writing skills. Students develop the ability to analyze text, collect and organize research data, and write clearly and effectively. In addition, the program emphasizes critical reading and writing skills required in a variety of career fields including law, medicine, teaching, communications, business, and industry.

Graduates of this program should be able to:

- Write for different audiences and purposes;
- Develop and argue a thesis supported in coherent paragraphs with relevant citation format;
- Apply critical perspectives to select texts that comment on the human experience;
- Relate the cultural, historical, and social significance of texts.

Students planning to transfer after graduation should consult the catalog of the college where they intend to complete their studies.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics	3
Natural Science	7-8
Technology	3
Social Science	6
Arts & Humanities	9
History	6
Diversity	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
<i>Select 12 credits from the following:</i>	
LIT 203 Masterpieces of World Literature I	3
LIT 207 British Literature I	3
LIT 208 British Literature II	3
LIT 209 American Literature I	3
LIT 210 American Literature II	3
LIT 211 Masterpieces of World Literature II	3
Total	12
Electives	1-2
Total Required for Degree	60



Option to Entertainment Technologies, (AAS.ETS)

The Entertainment Technology Program provides students with a solid foundation in the knowledge and skills needed for entry into the entertainment field or to transfer to a baccalaureate program. Students may choose from the following two options: Sound and Recording Engineering (AAS.ETS) and Video and Digital Media Production (AAS.ETV). Students who wish to transfer to a baccalaureate program are strongly advised to seek information regarding admission and transfer requirements.

The Sound and Recording Engineering Option provides students with opportunities for entry-level positions in theatrical performance, entertainment events, audio production for theatre, concerts, theme parks, industrial/corporate settings, and in sound and recording studios. Graduates may also work as freelancers and entrepreneurs.

Students will learn amplification, sound reinforcement, and recording of live performances. They will develop a practical and operational understanding of the various hardware elements including speakers, mixers, amplifiers, microphones, analog and digital recording, mixing consoles, signal routing and processors (equalizers, compressors, limiters, gates, etc.). Students will also have hands-on experiences that enable them to edit audio, mix audio, utilize acoustics, synchronize audio with video and multimedia, and add sound effects.

Graduates of this program should be able to:

- Explore and acquire broad-based knowledge of audio engineering technology and demonstrate proficiency in the application of critical listening and practical audio engineering skills;
- Employ, apply, and operate sound engineering technologies and techniques in a manner that displays practical and creative understanding and fluency;
- Demonstrate independent, imaginative, and creative approaches to problem-solving in the field of sound engineering;
- Use microphones, outboard gear, consoles, and software effectively to conduct studio recording sessions featuring live instruments and vocals;
- Integrate knowledge and theory of the recording industry, sound recording, music technology and laws and regulations into productions.

Graduates of this program can transfer to Rowan University to continue their education towards a Bachelor of Science in Music Industry.

General Education Courses †		Credits
Written & Oral Communications		6
Mathematics		3
Natural Science		4
Social Science		3
Arts & Humanities		3
Additional General Education Requirements (Required – any diversity course listed on page 51)		3
Total		22

† See General Education Requirements on page 52.

Program Courses		Credits
ETC 105	Entertainment Law	3
ETC 222	Entertainment Tech Field Experience	3
MUS 105	Music Fundamentals	3
SOC 207	Communication, Mass Media, and Society	3
Total		12

Specialized Courses		Credits
ETS 101	Live Sound Production I and Lab	4
ETS 105	Recording Engineering I and Lab	4
ETS 225	Advanced Music Production	3
Total		11

Electives		15
<i>Electives may be taken from the other Entertainment Technology Specialized Courses.</i>		

Total Required For Degree		60
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Option to Entertainment Technologies, (AAS.ETV)

The Entertainment Technology Program provides students with a solid foundation in the knowledge and skills needed for entry into the entertainment field, or to transfer to a baccalaureate program. Students may choose from the following two options: Sound and Recording Engineering (AAS.ETS) and Video and Digital Media Production (AAS.ETV). Students who wish to transfer to a baccalaureate program are strongly advised to seek information regarding admission and transfer requirements.

The Video and Digital Media Production option of the Entertainment Technology Program prepares students for jobs such as broadcast or production engineers, producers and assistant producers, video editors, camera operators, master control and technical directors, freelance business persons, and the associated video production opportunities in the expanding video and Internet areas.

Non-linear digital video editing is the industry standard for professionals working in television and film — and now on Web pages and the Internet. Industry demand for editors skilled in the leading digital post-production techniques has caused non-linear editing to emerge as a rapidly growing specialty.

With the expansion of digital video, DVDs, webstreaming, video CDs, and the associated media, opportunities exist for employment on production teams, serving as freelancers or operating as independent producers, or entrepreneurs for recording special events, weddings, social functions, corporate content media, instructional and multimedia productions, and a host of varied content and media applications.

Graduates of this program should be able to:

- Demonstrate proficiency in the operation of video cameras, lighting equipment for location and studio production, audio for digital production, and digital video editing hardware and software;
- Evaluate technical and aesthetic qualities of digital video productions in the context of historical and contemporary trends in society;
- Employ current business practices as well as legal knowledge to all aspects in the field of digital video production;
- Produce “content” both in studio and field settings, such as television programs, videos for broadcast, cable, web streaming, interactive multimedia projects, entertainment productions, and a wide variety of applications used within public and private sectors.

Graduates of this program can transfer to Rowan University to continue their education towards a Bachelor of Arts in Radio, Television and Film.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics	3
Natural Science	4
Social Science	3
Arts & Humanities	3
Additional General Education Requirements (Required – any diversity course listed on page 51)	3
Total	22

† See General Education Requirements on page 52.

Program Courses	Credits
COM 120 Radio Production	3
ETC 105 Entertainment Law	3
ETC 222 Entertainment Tech Field Experience	3
SOC 207 Communication, Mass Media and Society	3
Total	12

Specialized Courses	Credits
ETV 101 TV Production (Studio)	4
ETV 102 TV Production (Field)	4
ETV 105 Editing	3
Total	11

Electives	15
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Electives may also be taken from the other Entertainment Technology Specialized Courses.

Total Required for Degree	60
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Environmental Science



Associate of Science, (AS.ENV)

This program is designed for the student who wishes to pursue a bachelor's degree at a four-year institution in the field of Environmental Science, Environmental Technology, Environmental Engineering, Wildlife Management, Ecology, and Wastewater Engineering.

Graduates of this program should be able to:

- Discuss ecological concepts by critically analyzing data sets and figures;
- Understand and employ the scientific method when performing an experiment;
- Demonstrate knowledge of the world's major ecosystems;
- Describe the diversity of human populations as they relate to the distribution of natural resources;
- Demonstrate an understanding of the ethical, economic and political framework in which environmental issues are enmeshed.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 118 or MTH 130 recommended)	4
Natural Science (BIO 103/104 & CHE 115/116 required)	8
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	33

† See General Education Requirements on page 51.

Program Courses	Credits
BIO 107 General Biology II	3
BIO 108 General Biology II Laboratory	1

Select 19 credits from the following:

BIO 130 Environmental Science	3	} 19
BIO 131 Environmental Science Lab	1	
CHE 117 General Chemistry II	3	
CHE 118 General Chemistry II Laboratory	1	
CHE 240 Organic Chemistry I	3	
CHE 241 Organic Chemistry I Laboratory	1	
CHE 242 Organic Chemistry II	3	
CHE 243 Organic Chemistry II Laboratory	1	
MTH 118 Calculus I and Analytic Geometry	4	
MTH 119 Calculus II and Analytic Geometry	4	
MTH 143 Statistics I	4	
PHY 110/111 Principles of Physics I/Lab	4	
PHY 210/211 General Physics I/Lab	4	
PHY 112/113 Principles of Physics II/Lab	4	
PHY 212/213 General Physics II/Lab	4	
PSC 120 Introduction to Geology	3	
PSC 121 Introduction to Geology Laboratory	1	
GIS 101 Fundamentals of Geographic Information Systems (GIS)	3	
GIS 160 Introduction to Mapping & Geographic Information Systems (GIS)	3	
Total	23	

Electives 4

Total Required for Degree 60



Associate of Science, (AS.HWP)

The Exercise Science Health and Wellness Promotion major provides students with an introduction to subjects that are fundamental to these topics. This major includes instruction in the basic science courses that prepare students to meet the needs, at an introductory level, to the personal fitness field. This major articulates with the exercise science major at a 4 year college. The program covers nutritional requirements for consumers that promote health and wellness, explores the relationship of exercise science and health, and serves as the essential first step for the student who wishes to pursue higher education in this field. The major is open to all students admitted to the college.

To apply for the program, students should complete a Rowan College at Burlington County application and take all necessary assessments. Other requirements include a High School Diploma or GED.

Graduates of this program should be able to:

- Demonstrate an understanding of the interrelationship among exercise science, health promotion, and wellness;
- Recognize the impact of unhealthy behavior on individual health and wellness;
- Exhibit oral and written communication skills necessary to interact with other health care professionals and consumers;
- Communicate the fundamentals of nutrition and its effects on physical performance and health.

General Education Courses †	Credits
Written Communication	6
Mathematics (MTH 107 or MTH 112 or MTH 130)	3-4
Natural Science (BIO 103/104 and CHE 107/108 or CHE 115/116)	8
Social Science (PSY 101, SOC 101)	6
Arts & Humanities	3
History	3
Diversity	3
Total	32-33

† See General Education Requirements on page 51.

Program Courses	Credits
<i>Select 4 credits from:</i>	
BIO 110 Fundamentals of Anatomy & Physiology	3
BIO 111 Fundamentals of Anatomy & Physiology Lab	1
or	
BIO 208 Human Anatomy & Physiology	3
BIO 209 Human Anatomy & Physiology Lab	1
	4
<i>Select 4 credits from:</i>	
BIO 114 Fundamentals of Anatomy & Physiology II	3
BIO 115 Fundamentals of Anatomy & Physiology II Lab	1
or	
BIO 212 Human Anatomy & Physiology II	3
BIO 213 Human Anatomy & Physiology II Lab	1
	4
HWP 101 Introduction to Health Promotion and Wellness	3
HWP 110 Introduction to Exercise Science	3
NUR 220 Nutrition in Nursing and Health Care	3
SPE 102 Public Speaking	3
Total	20
Electives (recommended):	7-8
CIS 161 Computer Applications	
HUS 207 Addiction Dynamics and Interventions	
PSY 203 Human Sexuality	
Total Required for Degree	60



Associate of Applied Science, (AAS.FAD)

The fashion design program prepares students to either begin work as an independent business within the fashion design field or have the optimum opportunity to transfer program credits to a 4 year university.

Students who successfully complete the Fashion Design program will receive a solid introduction of all aspects of the apparel design industry. An emphasis on sewing construction, pattern making, sketching, fashion technology, textiles and business aspects in a global marketplace are included.

Students will have the opportunity to explore employment opportunities within the apparel design industry. Positions available with a 4 year education in fashion design include: Assistant Fashion Designer, Fashion Designer, Technical Designer, Pattern-Drafter, Fashion Product Development, Textile Designer, Fashion Trend and Color Analyst, and Fashion Stylist.

Graduates of this program should be able to:

- Present knowledge of seasonal fashion, color and fabric trends to design concepts and original collections;
- Proficiently execute garment sewing and construction as well as utilizing skills from pattern drafting techniques;
- Use a variety of art media to sketch original garment ideas on a fashion figure using industry standard techniques;
- Demonstrate the ability to use industry standard tools such as; industrial sewing machines, computer software and research media to create and/or assemble garments and presentations;
- Identify fiber, fabric and surface textures relating to textiles within the apparel and home fashion industry;
- Conceptualize design ideas through historical context and primary and secondary research.

General Education Courses †	Credits
Written & Oral Communications (ENG 101/ENG 102 required)	6
Mathematics (MTH 107 or MTH 112 or MTH 113)	3
Natural Science	4
Social Science	3
Arts & Humanities (PHI 101 required)	3
Additional General Education Requirements (Required – any diversity course listed on page 51)	3
Total	22

† See General Education Requirements on page 52.

Program Courses	Credits
ART 120 Drawing I	3
FAD 107 Fashion Drawing	3
FAD 120 Apparel Construction	4
FAD 131 Fashion Research Methods	3
FAD 135 Introduction to Textiles	3
FAD 142 Pattern Development	4
FAD 144 History of Fashion Design	3
FAD 155 Fashion Merchandising	3
FAD 160 Fashion Technology	3
FAD 162 Photoshop Techniques for Fashion	3
Total	32

Electives (recommended): <i>Select 6 credits from the following:</i>	6
ART 110 Design I	
ART 122 Figure Drawing	
ART 250 Art History I or	
ART 251 Art History II	
FAD 222 Fashion Design Collection	
TEC 101 Career Readiness I	
TEC 201 Career Readiness II	
TEC 202 Career Readiness III	

Total Required for Degree **60**



Career Certificate, (SPC.FDC) §

This certificate program is for students who would like to develop and enhance their personal skills or use this program for specific industry related knowledge.

Students who successfully complete this certificate program will be able to: sketch and design original concepts using industry standard media, create technical apparel illustrations for development packages using industry standard software, develop immaculate sewing skills for apparel construction, and develop original pattern concepts for fashion apparel.

Program Courses		Credits
FAD 107	Fashion Drawing	3
FAD 120	Apparel Construction	4
FAD 142	Pattern Development	4
FAD 160	Fashion Technology	3
Total Required Credits		14

§ This certificate is NOT eligible for Financial Aid.

Fashion Product Merchandising



Option to Liberal Arts and Sciences, (AS.FPM)

This program prepares students for careers within the fashion marketing, merchandising, production and product development industry.

The program is structured with the understanding that students will be electing to transfer to a four year university that specializes in Fashion Merchandising, Product Development, Production, Business and/or Marketing.

Students will have the opportunity to explore employment opportunities within the apparel industry. Positions available with a 4 year education: Fashion Product Development, Fashion Production, Fashion Buying and Planning, Fashion Trend and Color Analyst, Fashion Stylist and Fashion Management.

Graduates of this program should be able to:

- Present knowledge of seasonal fashion, color and fabric trends;
- Identify fiber, fabric and surface textures relating to textiles within the apparel and home fashion industry;
- Demonstrate knowledge of garment construction utilizing basic sewing and assembly techniques;
- Strategize for fashion marketing, branding, product development and online retail technology;
- Conceptualize fashion trends through historical context and primary and secondary research;
- Apply accounting and economic concepts to the fashion industry.

Students who wish to prepare for more technically-oriented or artistically expressive careers in fashion are encouraged to review the Associate in Applied Science Fashion Design program in this catalog.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 required, ENG 102 recommended)	6
Mathematics (MTH 107 recommended)	3
Natural Science	8
Social Science (ECO 203; PSY 101 required)	6
Arts & Humanities (PHI 101 required)	3
History (HIS 101 or HIS 102 recommended)	3
Diversity (ANT 102, LIT 203 or REL 205 recommended)	3
Total	32

† See General Education Requirements on page 51.

Program Courses	Credits
ACC 110 Principles of Accounting	3
ECO 204 Principles of Macroeconomics	3
FAD 131 Fashion Research Methods	3
FAD 135 Introduction to Textiles	3
FAD 144 History of Fashion Design	3
FAD 155 Fashion Merchandising	3
FAD 160 Fashion Technology	3
FAD 162 Photoshop Techniques for Fashion	3
Total	24

Electives 4

Select 4 credits from the following:

BUA 205	Business Law
BUA 220	Principles of Marketing
FAD 120	Apparel Construction

MTH 112 College Algebra
or

MTH 130 Precalculus

Total Required for Degree 60

Fire Investigation



Career Certificate, (SPC.FSI)

This certificate is designed to provide the technical knowledge and specific skills necessary for fire investigation to those already active in the field of firefighting and prevention as well as for those who may be interested in these areas.

This program requires a minimum of 29 credits. The four Fire Science (FSC)* courses are offered through the Burlington County Emergency Services Training Center in Westampton. Attendance at these courses requires sponsorship by a county fire company. Applicants needing assistance for sponsorship should contact the Burlington County Emergency Services Training Center at (609) 702-7157. The two Criminal Justice (CRJ) courses are offered at Rowan College at Burlington County.

General Education Course		Credits
ENG 101	College Composition I	3

Program Courses		Credits
FSC 101	Introduction to Fire Science*	7
FSC 103	Fire Detection and Suppression Systems*	3
FSC 201	Fire Service Construction Principles*	4
FSC 202	Tactics and Strategies	3
FSC 204	Fire Inspector Certification*	6
CRJ 113	Criminal Investigation	3
Total Required Credits		29

**These courses are offered at the Burlington County Emergency Services Training Center in Westampton.*



Career Certificate, (SPC.FSC)

This certificate recognizes the completion of program courses offered through the Burlington Emergency Services Training Center. These courses are designed for the professional education needs of firefighters as well as those interested in a career or volunteer service in the field of firefighting and prevention. Students who complete this program will develop a working understanding of the fundamentals of fire science technology and fire protection engineering using the most advanced fire science technology available.

This program requires students to be sponsored by a county fire company. Applicants needing assistance for sponsorship should contact the Burlington County Emergency Services Training Center at (609) 702-7157.

This certificate requires 27 credits. Coursework can be applied to the Associate of Applied Science degree in Technical Studies.

Program Courses		Credits
FSC 101	Introduction to Fire Science*	7
FSC 102	Fire Department Organization and Management*	4
FSC 103	Fire Detection and Suppression Systems*	3
FSC 201	Fire Service Construction Principles*	4
FSC 202	Tactics and Strategies*	3
FSC 204	Fire Inspector Certification*	6
Total Required Credits		27

**These courses are offered at the Burlington County Emergency Services Training Center in Westampton.*

Graphic Design and Digital Media



Associate of Applied Science, (AAS.GDD)

The Graphic Design and Digital Media program provides students with a solid foundation in design concepts and practices, and encourages the development of informed responses to issues surrounding visual communication.

In completing the Graphic Design and Digital Media program, students prepare themselves for entry-level positions in the design professions, such as junior designers, designers' assistants, and production artists.

Students who wish to transfer are strongly advised to seek information about the admission requirements to a four-year institution of their choice early in their studies at RCBC.

Students of graphic design should display an aptitude in the visual arts. An interview and/or portfolio review may be helpful before enrolling in this program to assess student interests and aptitudes, and to ensure appropriate placement in the program.

Graduates of this program should be able to:

- Discuss and apply the principles of visual composition, typography, symbolic representation, illustration, and history to the design process;
- Exercise effective written, oral, and visual communication skills concerning issues relevant to design and the design problem-solving process;
- Use industry tools and technologies to produce original creations for print and digitally-based distribution;
- Demonstrate effective working habits, including an ability to meet deadlines, and incorporate constructive criticism while generating alternative solutions to design problems;
- Prepare a professional portfolio and develop strategies to pursue employment and transfer opportunities.

General Education Courses †	Credits
Written & Oral Communications (SPE 102 required)	6
Mathematics (MTH 107 or MTH 112 or MTH 113 recommended)	3
Natural Science	4
Social Science	3
Arts & Humanities	3
Additional General Education Requirements (Required – any diversity course listed on page 51)	3
Total	22

† See General Education Requirements on page 52.

Program Courses	Credits
ART 110 Design I	3
ART 112 Design II	3
ART 120 Drawing I	3
GDD 101 Introduction to Computer Graphics	3
GDD 110 Graphic Design I	3
GDD 112 Illustration	3
GDD 115 Typography	3
GDD 214 Graphic Design II	3
GDD 220 Portfolio	3
GDD 225 History of Graphic Design	3
Total	30

Electives (recommended):	8
ART 250 Art History I	
ART 251 Art History II	
ART 252 Introduction to Modern Art	
TEC 101 Career Readiness I	
TEC 201 Career Readiness II	
TEC 202 Career Readiness III	

Total Required for Degree 60



Associate of Applied Science, (AAS.HIT)

Health information management (HIM) is the practice of acquiring, analyzing, and protecting digital and traditional medical information vital to providing quality patient care. HIM programs incorporate the disciplines of medicine, management, finance, information technology, and law into one curriculum. HIM professionals are highly trained in the latest information management technology applications and understand the workflow in any healthcare provider organization from large hospital systems to the private physician practice. They are vital to the daily operations management of health information and electronic health records (EHRs). They ensure a patient's health information and records are complete, accurate, and protected.

This program prepares students for a career in the field of health information management. The curriculum combines didactic courses (mostly offered via distance learning) with professional practice experience in selected health care facilities. Graduates of this program are eligible to apply to the American Health Information Management Association (AHIMA) to establish eligibility to take the certification examination and earn the credential RHIT, Registered Health Information Technician.

Students must take ENG101 English Composition, MTH107 Introduction to Statistics, and BIO110/111 Anatomy & Physiology I with Lab and have a cumulative GPA of 2.77 or higher BEFORE submitting an application to the program (see website – rcbc.edu/him). The application deadline for the fall semester is June 1 and the application deadline for spring is October 1. Notifications will be made on July 1 and November 1 respectively. A criminal history background check and physical exam, including immunizations, flu shot, hepatitis B shot and drug screening (when applicable) will be required prior to the professional practice experience.

Students are required to maintain membership in the American Health Information Management Association, maintain personal health insurance coverage throughout the program and purchase a Program Key for EHRGo, an educational EHR, and purchase an access code for the AHIMA Virtual Lab.

Graduates of this program should be able to:

- Recognize the importance of sound data structure, content, and information governance within the context of health information management;
- Apply information protection strategies in the access, use, disclosure, privacy, and security of health information management;
- Apply the concepts of informatics, analytics, and data use to health information management;
- Explain revenue cycle management within the context of health information management;
- Incorporate health law and compliance in the application of health information management;
- Determine effective organizational management and leadership strategies in the field of health information management.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 and SPE 102 required)	6
Mathematics (MTH 107 required)	3
Natural Science (BIO 110/111 required)	4
Social Science (PSY 101 required)	3
Additional General Education Requirements (BIO 114* and CIS 161 required)	6
Total	22

† See General Education Requirements on page 53.

Program Courses	Credits
BIO 115 Fundamentals of Anatomy & Physiology II Lab	1
COM 200 Business and Professional Communication	3
HIT 102 Introduction to Health Information Technology	3
HIT 103 Legal Aspects of Health Information	3
HIT 106 Medical Terminology	3
HIT 115 Pathophysiology	3
HIT 117 Pharmacology	3
HIT 118 Introduction to Coding	3
HIT 205 HCPCS (CPT-4) Coding	3
HIT 209 ICD-10-CM Coding	3
HIT 210 ICD-10-PCS Coding	3
HIT 211 Reimbursement Methodologies	3
HIT 212 Professional Practice Experience	2
HIT 220 Management Concepts in Healthcare	3
HIT 224 Healthcare Information Systems	3
Total	42

Total Required for Degree 64

*Higher level BIO course may be taken (BIO 212/213 Human Anatomy & Physiology II/Lab)

This program is accredited by Commission on Accreditation for Informatics and Information Management Education (CAHIIM)
 200 East Randolph Street, Suite 5100
 Chicago, IL, 60601
 by phone at (312) 235-3255; or by email at info@cahiim.org



Associate of Science, (AS.HSC)

The Health Science major provides students with an introduction to subjects that are fundamental to health related professions. This interdisciplinary major includes instruction in the basic science courses that prepare students to meet the needs of a modern healthcare delivery system. Courses also assist to develop interactive skills. The major is open to all students admitted to the college. Graduates of this program will be able to articulate with a variety of majors at a 4 year institution, such as a general health science degree or other majors that require the same basic sciences and general education classes. Students often enroll in this major to complete prerequisites for health related degrees.

To apply for the program, students should complete a Rowan College at Burlington County application and take all necessary assessments. Other requirements include a High School Diploma or GED.

Graduates of this program should be able to:

- Demonstrate knowledge of the fundamental concepts, theories, and applications of health science;
- Describe the impact of the sciences, including biology, chemistry, and physics, on health science;
- Use the scientific method to examine health and well-being;
- Describe the interdisciplinary relationship among biological, psychological, and cognitive factors in understanding overall health.

General Education Courses		Credits
Written & Oral Communications		6
Mathematics (MTH 107 required)		3
Natural Science (BIO 110/111 or BIO 208/209, BIO 114/115 or BIO 212/213 required)		8
Social Science (PSY 101 & SOC 101 required)		6
Arts & Humanities (PHI 101 required)		3
History		3
Diversity		3
Total		32

† See General Education Requirements on page 52.

Program Courses		Credits
<i>Select 19-22 credit hours from the following:</i>		
BIO 103/104	General Biology I and Laboratory	4
BIO 107/108	General Biology II and Laboratory	4
BIO 155/156	Basic Microbiology and Laboratory	4
OR		4
BIO 221/222	Microbiology and Laboratory	4
CHE 107/108	Chemistry and Laboratory	4
CHE 115/116	General Chemistry I and Laboratory	4
CHE 117/118	General Chemistry II and Laboratory	4
CHE 210	Nutrition	3
OR		3
NUR 220	Nutrition in Nursing and Healthcare	3
MTH 112	College Algebra	3
OR		3-4
MTH 130	Precalculus	4
PHY 110/111	Principles of Physics I and Lab	4
OR		4
PHY 112/113	Principles of Physics II and Lab	4
PSY 256	Developmental Psychology	3
Total		19-22
Electives (any HIT course recommended)		6-9
Total Required for Degree		60



Associate of Applied Science, (AAS.HSC)

The Associate of Applied Science Degree in Health Science is for practicing allied healthcare paraprofessionals who have graduated from an accredited postsecondary education program with a certificate and/or diploma and who are certified or licensed to practice in their chosen field. This curriculum is designed for healthcare paraprofessionals who have completed a non-credit postsecondary healthcare program culminating in a certificate or licensure. Certification or licensure must be recognized by the appropriate accrediting agencies. This program offers the general education component which, when completed and combined with credit awarded for prior postsecondary healthcare education, qualifies the student to be awarded an Associate of Applied Science (A.A.S.) Degree in Health Science.

Applicants must meet the general admission criteria of the college and are required to submit the following documentation for review: A copy of current license and or certificate, official transcripts and diploma from the completed training program, and a current resume.

The number of credits awarded for non-credit post-secondary healthcare education will be determined after a review of the documentation. A maximum of thirty credits for certification/licensure will be granted after completion of the required Rowan College at Burlington County degree requirements (with grades of "C" or higher) resulting in an A.A.S. Degree in Health Science.

Postsecondary accredited health sciences program consisting of a minimum of 500 hours will earn 30 college credits. Accredited allied health programs with no less than 300 and up to 499 hours will earn a minimum of 22 college credits.

Students receiving less than 30 credits for their postsecondary work should select additional courses to graduate with a minimum of 62 credits. See page 50, Associate of Arts (A.A.) Degree.

It is important to note that this curriculum will not confer eligibility for advanced certification nor advanced licensure within the healthcare disciplines.

Graduates of this program should be able to:

- Practice within the parameters of individual knowledge and experience;
- Practice within the ethical, legal and regulatory frameworks of professional practice;
- Serve as a positive role model within the healthcare setting and community at large;
- Recognize the impact of economic, political, social and demographic forces on the delivery of healthcare;
- Participate in lifelong learning.

General Education Courses	Credits
Written & Oral Communications (ENG 101 and ENG 102 required)	6
Mathematics (MTH 107 required)	3
Natural Science (BIO 110/111 required)	4
Social Science (PSY 101 required)	3
Additional General Education Requirements (SOC 101 required & any diversity course)	6
Total	22

† See General Education Requirements on page 53.

Technical Core	Credits
The number of credits awarded for non-credit post-secondary healthcare education will be determined after a review of the documentation. A maximum of thirty credits for certification/licensure will be granted after completion of the required Rowan College at Burlington County degree requirements (with grades of "C" or higher) resulting in an A.A.S. Degree in Health Science.	

Accredited Health Sciences Program

Subtotal	22-30 credits
Total	52
Electives	8
Total Required for Degree	60



Option to Liberal Arts, (AA.HIS)

This program is designed to introduce students to the changes in human society over time, to expose students to the diversity of the human experience, to chronologically examine the global struggle of all people, and to assist students to scientifically evaluate their own heritage.

Written composition, oral presentation, problem solving, and critical thinking are essential skills used in historical study. The history curriculum prepares students for study in a variety of fields including education, public service, and political science. Moreover, the study of history prepares students for careers in law, journalism, business, public relations, international relations, archives, museums and historical societies. Majoring in history provides an excellent bridge to any career requiring an in-depth study of the human condition.

Students planning to teach History on the Elementary or Secondary level, should include the following as open Electives; EDU 112 History Foundations and PSY 250 Educational Psychology.

Students planning to transfer after graduation should consult the catalog of the college where they intend to complete their studies.

Graduates of this program should be able to:

- Demonstrate a factual knowledge of significant past events;
- Demonstrate an understanding of history as a process of cause and effect, rather than solely as memorization of facts, dates, or people;
- Utilize critical thinking to evaluate the impact of complex human behavior on significant past events;
- Demonstrate an understanding of historical perspective as an instrument to determine what makes a past event significant;
- Use their knowledge of recurring historical themes to understand varied outcomes in differing historical time periods.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics (MTH 107 recommended)	3
Natural Science	7-8
Technology	3
Social Science (POL 101 required)	6
Arts & Humanities (ART 250, ART 251 recommended)	9
History (HIS 101 and HIS 103 required)	6
Diversity (REL 205 or Foreign Language required)	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
HIS 102 United States History II	3
HIS 104 Modern European History	3

Select 6 credits from the following:

HIS 106 World History II	3		6
HIS 212 The American Civil War & Reconstruction	3		
HIS 215 Renaissance and Reformation 1300-1700	3		
HIS 230 Islamic Civilization	3		
HIS 266 African-American History I	3		
HIS 267 African-American History II	3		
Total			12

Electives (recommended):	1-2
LIT 211 Masterpieces of World Literature II	
POL 103 Comparative Government & Politics	
POL 215 Constitutional Law	
POL 250 International Politics	
or	
any Foreign Language	

Recommended Courses for Elementary/Secondary Education:

PSY 250 Educational Psychology	
EDU 112 Historical Foundations of American Education	

Total Required for Degree	60
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Hospitality and Tourism Management



Associate of Science, (AS.HOS)

In preparing students for careers as restaurant, hotel, and tourism leaders, event planners, and entrepreneurs in the 21st century, we offer innovative learning experiences. The students experience learning in both informal and formal learning spaces during their time in the hospitality program. One day you will be in the cranberry bogs learning about ecotourism and the next you will experience being a manager at our student run restaurant, Vaulted Cuisine.

The Hospitality and Tourism Management program at RCBC takes pride in its partnerships with industry organizations in our community. These professional relationships provide our students with diverse job opportunities. Our Hospitality and Tourism Management graduates leave RCBC prepared to transfer to many of the area's best four-year schools for Hospitality and Tourism Management. Students who wish to transfer are strongly advised to seek information about the admission requirements to a four-year institution of their choice early in their studies at RCBC.

Graduates of this program should be able to:

- Assess the structure and function of the hospitality industry;
- Analyze the best hospitality practices;
- Demonstrate teamwork, leadership, and interpersonal skills within the hospitality industry;
- Examine and solve industry related problems using 21st century hospitality tools and resources;
- Practice effective planning in the hospitality industry;
- Describe the diverse sectors of the global hospitality industry.

General Education Courses †	Credits
Written Communications	6
Math (MTH 107 required)	3
Natural Science	8
Social Science	6
Arts and Humanities	3
History	3
Diversity	3
Total	32

† See General Education Requirements on page 51.

Program Courses	Credits
CUL 107 Culinary Arts	4
FSM 125 Food Service Sanitation & Accident Prevention	2
HOS 110 Introduction to Hospitality	3
HOS 120 Service Management	4
HOS 225 Hotel Operations	3
HOS 235 Ecotourism Destinations/NJ Focus	3
HOS 250 Hospitality Human Resource Management	3
TEC 101 Career Readiness I	1
TEC 201 Career Readiness II	1
TEC 202 Career Readiness III	1

Select 3 credits from the following:

CUL 211 Purchasing and Menu Planning	3	3
HOS 160 Accounting for Hospitality	3	
Total	28	

Total Required for Degree 60



Certificate, (CRT.HOS)

In preparing students for careers as restaurant, hotel, and tourism leaders, event planners, and entrepreneurs in the 21st century, we offer innovative learning experiences.

The students experience learning in both informal and formal learning spaces during their time in the hospitality program. One day you will be in the cranberry bogs learning about ecotourism and the next you will experience being a manager at our student run restaurant, Vaulted Cuisine.

The Hospitality and Tourism Management program at RCBC takes pride in its partnerships with industry organizations in our community. These professional relationships provide our students with diverse job opportunities.

Students may be able to transfer certificate credits for use in associate or baccalaureate degree program. Students are strongly advised to seek information regarding admission and transfer requirements for those programs.

Graduates of this program should be able to:

- Summarize how the hospitality industry is organized;
- List the most common hospitality practices;
- Outline the concepts of teamwork, leadership, and interpersonal skills within the hospitality industry;
- Solve industry related problems using 21st century hospitality tools and resources;
- Explain the role of effective planning in the hospitality industry;
- Describe the diverse sectors of the global hospitality industry.

General Education Courses †		Credits
Written Communications (ENG 101 required)		3
Mathematics (MTH 107 or higher)		3
Total		6

Program Courses		Credits
FSM 125	Food Service Sanitation and Accident Prevention	2
HOS 110	Introduction to Hospitality	3
HOS 120	Service Management	4
HOS 160	Accounting for Hospitality	3
HOS 225	Hotel Operations	3
HOS 235	Ecotourism Destinations/NJ Focus	3
HOS 250	Hospitality Human Resource Management	3
Total		21

Electives (recommended):		3
TEC 101 Career Readiness I		
TEC 201 Career Readiness II		
TEC 202 Career Readiness III		

Total Required for Degree	30
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Associate in Applied Science, (AAS.HMS)

The Human Services program is designed to educate and train individuals in the human services profession. The human services worker is a generalist who can work in a variety of settings including community health centers; agencies serving the physically and mentally disabled; rehabilitation, drug and alcohol programs and halfway houses. Employment opportunities also exist in services for youth; detention centers; community living arrangements; hospitals; senior citizen; and social agencies and organizations, welfare and human services departments. The generalist approach is achieved through a core of courses which stress the holistic nature of individuals. Emphasis is placed upon becoming competent in the skill areas required for working in the human services field. The Human Services degree program combines classroom learning and a field placement.

Human services students learn to help people to understand their problems and motivate them to seek assistance. They assist in obtaining services for people in need through advocacy, outreach and brokering, and the collection of client personal, social, and vocational data for the preparation of intake reports and case records. The human services student understands how to arrange for and follow-up with specific educational, social, and vocational programs for clients, and gather and evaluate data concerning human services programs. The human services student becomes an effective participant in local planning and development of programs, and learns how to educate and facilitate behavior change in individual clients, their families, and groups in effective problem solving, in daily living skills and in more effective interpersonal relationships.

Human service workers are “people-helping professionals.” They serve individuals and groups of all ages in a variety of settings. Human service workers care about others and dedicate themselves to bettering the lives of the persons they work with directly and the community.

Graduates of this program should be able to:

- Demonstrate competency in the core skill areas of the Human Services profession including direct service skills and interpersonal skills;
- Develop a professional identify in human services;
- Be fully knowledgeable of community services;
- Identify the Ethical Standards of Human Services and apply them to professional experiences;
- Examine diverse populations, group dynamics and social issues to assist in establishing a rapport with clients.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 and SPE 102 required)	6
Mathematics (MTH 113 or MTH 107 recommended)	3
Natural Science (BIO 103/104 recommended)	4
Social Science (PSY 101 required)	3
Additional General Education Requirements (SOC 101 and PHI 101 required)	6
Total	22

† See General Education Requirements on page 52.

Program Courses	Credits
HUS 101 Human Services I	3
HUS 102 Human Services II	3
HUS 110 Contemporary Issues in Social Welfare	3
HUS 201 Introduction to Counseling	3
HUS 205 Social Work Process	3
HUS 210 Human Services Field Placement	3
PHI 205 Ethics	3
PSY 105 Introduction to Group Dynamics	3
PSY 202 Interviewing Techniques	3
Additional Psychology course at 200 level	3
SOC 201 Social Problems	3
SOC 205 Marriage and the Family	3
Total	36
Electives	2
Total Required for Degree	60

Liberal Arts

Associate of Arts, (AA.LIB)

The Liberal Arts major, with its twin “Liberal Arts and Sciences” major, is the basic major to prepare one for entering many occupations, especially the professions at a higher level. Liberal arts training has long been considered the mark of becoming an educated person.

At the AA (two-year) level, the major can be taken either as a whole, or by concentrating in one of its “options” (see English, History, Sociology, etc.). Whichever way one chooses, this degree would be the usual preparation for entering a BA (four-year) degree program at a transfer institution. Students should familiarize themselves with specific recommendations of that four-year program to determine whether it would be better to concentrate or to stay with the general Liberal Arts major. Most students who stay with the general major have decided to postpone the narrowing process until they have had more time to explore specific interests.

By studying liberal arts before specializing, the student is making the choice to widen his/her/their ability to question and to form sound judgements, based on studying the rich world traditions that give us guidance as to what it is to lead a full human life. Technical training without liberal arts training is considered to prepare one for making technical decisions, but not for overall human or social decisions.

Graduates of this program should be able to:

- Demonstrate an understanding of concepts in a variety of fields;
- Identify a specific field based on an exploration of interests;
- Critically read and write the English language;
- Demonstrate an appreciation of Western culture and global diversity;
- Evaluate the complexities of human behavior;
- Appraise human and social decisions with some sophistication and authority.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics	3
Natural Science	7-8
Technology	3
Social Science	6
Arts & Humanities	9
History	6
Diversity	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
To include a concentration of at least four courses or a total of 12 credits which are based upon knowledge of the acceptability of transfer to the receiving college. When students have selected a major program from one of the Liberal Arts programs listed below, they are encouraged to change their major to that program.	
Art and Design	
Art Education/Art Therapy	
Communications Arts	
English	
History	
Journalism	12
Philosophy	
Political Science	
Psychology	
Sociology	
Theatre	
Total	12
Electives	1-2
Total Required for Degree	60

Liberal Arts and Sciences

Associate of Science, (AS.LSC)

This curriculum is designed for students who desire to pursue an academic concentration in one of the natural science or health sciences areas. Included is the appropriate General Education foundation with sufficient flexibility to accommodate the requirements of the four-year institution(s) to which students may wish to transfer. Students must be familiar with the catalog(s) of the transfer college(s) to enable them to select courses wisely.

Graduates of this program should be able to:

- Understand and employ the scientific method of inquiry to draw conclusions based on verifiable evidence;
- Apply critical thinking and problem solving skills in the analysis of data, in the design of experimental procedures and evaluation of outcomes;
- Understand and explain scientific theories that have had a broad impact on society;
- Demonstrate knowledge of current scientific advances and techniques;
- Demonstrate good laboratory skills;
- Communicate effectively both verbally and in writing.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics	3
Natural Science	7-8
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	31-32

† See *General Education Requirements* on page 51.

Program Courses

To include a concentration of at least four courses or a total of 18 credits which are based upon knowledge of the acceptability of transfer to the receiving college.

Total	12-18
Electives	10-17
Total Required for Degree	60

Liberal Arts and Sciences

Certificate, (CRT.LSC) §

This certificate will give students exposure to coursework that will assist them in transferring to four year institutions and will give them a completion certificate. Courses selected should be transfer friendly and follow our general education framework. The certificate will also provide a good background for a student continuing to pursue an associate degree, particularly an Associate of Arts degree.

Program Courses		Credits
ENG 101	College Composition I	3
ENG 102	College Composition II	3
OR		
SPE 102	Public Speaking	3
	Mathematics (MTH 107 or higher)	3
	Natural Science	4
	Social Science	3
	Arts & Humanities	6
	Additional General Education Credits	9
Total		31
Total Required for Certificate		31

† See General Education Requirements on page 51.

§ This certificate is NOT eligible for Financial Aid.

Magnetic Resonance Imaging



Career Certificate, (SPC.MRP) §

This program is designed to give the ARRT, American Registry of Radiologic Technologists, credentialed radiologic technologist the ability to seek a position as a Magnetic Resonance Imaging Technologist upon completion. The 18 career credits are based on the American Society of Radiologic Technologists, Curriculum Guide for Magnetic Resonance Imaging. The enrolled student will be given the knowledge and clinical time necessary to prepare for the ARRT MRI examination. The program includes courses utilizing hybrid (online and in class) instruction. The course are generally offered in 7-week blocks during the Fall and Spring semesters. The two 15-week clinical component of 270 hours are taken in the Fall and the Spring. An additional 10-week summer clinical of 108 hours is available to those students requiring additional time.

Admitted students must:

- Hold ARRT, RT(R) credentials;
- Hold current certification in CPR from the American Heart Association BLS for Health Care professionals;
- Complete a satisfactory physical examination indicating they can perform the rigorous program activities;
- Undergo and pass a criminal background check and drug screening;
- Maintain malpractice/liability insurance and personal health insurance throughout the program;
- Students are responsible for their own transportation to clinical sites.

Limitation: See program coordinator.

Program Courses		Credits
MRP 110	Introduction to Magnetic Resonance Imaging	3
MRP 120	MRI Sectional Anatomy and Pathology	3
MRP 130	MRI Procedures	3
MRP 140	MRI Physics & Equipment	3
MRP 150	MRI Clinical Education I	3
MRP 151	MRI Clinical Education II	3
MRP 152*	MRI Clinical Education III	2
Total Required Credits		18

**MRP 152 is optional.*

§ This certificate is NOT eligible for Financial Aid.



Option to Liberal Arts and Sciences, (AS.MTH)

This program is designed to prepare graduates for transfer to a baccalaureate degree program in mathematics or a related area.

Graduates of this program should be able to:

- Differentiate and integrate algebraic and transcendental functions;
- Perform double and triple integrals;
- Perform partial differentiation;
- Solve first order differential equations and second order differential equations with constant coefficients;
- Reason critically, analyze, and solve mathematical problems objectively.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 118 required)	4
Natural Science (PHY 210/211 required & PHY 212/PHY 213 recommended)	8
Social Science	6
Arts & Humanities	3
History	3
Diversity	3
Total	33

† See General Education Requirements on page 51.

Program Courses	Credits
MTH 119 Calculus II and Analytic Geometry	4
MTH 201 Linear Algebra	3
MTH 220 Calculus III and Analytic Geometry	4
MTH 226 Discrete Mathematics	3
MTH 230 Differential Equations	4
Total	18

Elective (Recommended): CSE 110 or CSE 135 9

Total Required for Degree 60



Associate in Applied Science, (AAS.MET)

The Associate of Applied Science degree in Mechanical Engineering Technology (AAS.MET) is designed to provide a high-quality educational opportunity that prepares students to achieve career goals in the field of MET. Mechanical engineering technology involves understanding how products and machinery work as well as how to design, fabricate or use them. Examples of societal improvements due to mechanical engineering technology include engines, air-conditioned environments, and jet aircraft.

Graduates of this program should be able to:

- Apply knowledge, techniques, skills, and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline;
- Design solutions for well-defined technical problems and assist with engineering design of systems, components, or processes appropriate to the discipline;
- Conduct standard tests, measurements, and experiments to analyze and interpret results;
- Function effectively as a member of a technical team;
- Apply written, oral, and graphical communication in both technical and non-technical environments; and identify and use appropriate technical literature.

Students graduating from this program must successfully complete a minimum of 12 semester hours of management and/or technical course work at Rowan College at Burlington County.

General Education Courses †		Credits
Written & Oral Communication (ENG 101 and SPE 102 required)		6
Mathematics (MTH 130 required)		4
Natural Science (CHE 115/116 required)		4
Social Science (SOC 160 required)		3
Arts and Humanities		3
Additional General Education Requirements (MTH 118 required)		4
Total		24

† See General Education Requirements on page 52.

Program Courses		Credits
CSE 110	Introduction to Computer Science I	4
EGR 151	Freshman Clinic I	2
EGR 152	Freshman Clinic II	2
EGR 201	Engineering Statics	3
EGR 251	Sophomore Engineering Clinic I	1
EGR 252	Sophomore Engineering Clinic II	1
ENG 105	Technical Writing	3
MET 210	CNC Programming I	4
MET 215	Applied Thermal Energy I	3
MET 220	Introduction to Mechanical Design	3
MET 235	Material Science and Manufacturing	3
PHY 210	General Physics I	3
PHY 211	General Physics I Lab	1
Total		33
Elective (EGR 230 recommended)		3
Total Required for Degree		60



Certificate, (SPC.MBS) §

This program will prepare a student become a medical biller. Medical billing is the process of submitting and following up on claims with health insurance companies in order to receive payment for services rendered by a healthcare provider. Medical billing translates a healthcare service into a billing claim. The responsibility of the medical biller in a healthcare facility is to follow the claim to ensure the practice receives reimbursement for the work the providers perform.

The biller typically assembles all data concerning the bill. This can include charge entry, claims transmission, payment posting, insurance follow-up, and patient follow-up. Medical billing specialists are largely responsible for making sure medical office revenue cycles run smoothly.

Medical billers regularly communicate with physicians and other healthcare professionals to clarify diagnoses or to obtain additional information. The medical biller must understand how to read the medical record and, like the medical coder, be familiar with CPT®, HCPCS Level II and ICD-10-CM codes.

The program will prepare the student to sit for the Certified Professional Biller (CPB™) credential.

The program is offered in an online format.

Admission requirements: Graduation from high school or attainment of a GED. Students must complete a program application (see website – rbc.edu/him).

Students are required to purchase an access code for the AHIMA Virtual Lab.

Graduates of this certificate will:

- Code and classify data for medical billing using current classification systems;
- Use written and verbal skills to communicate clearly using standard medical terminology;
- Comply with standards and regulations required by law in healthcare practices;
- Demonstrate knowledge of anatomy and physiology, and basic disease processes related to the human body.

Program Courses		Credits
HIM 101	Introduction to the Medical Office	3
HIM 110	Human Body in Health and Disease	3
HIM 200	Billing & Claims Processing	3
HIT 106	Medical Terminology	3
HIT 118	Introduction to Coding	3
HIT 205	HCPCS (CPT-4)	3
HIT 209	ICD-10-CM Coding	3
Total Required Credits		21

§ This certificate is NOT eligible for Financial Aid.



Option to Liberal Arts and Sciences, (AS.MUS)

The Associate of Science in Music degree provides students with a variety of courses in music appreciation, theory, harmony, and performance. In addition to music teaching, students who complete the Music major may pursue employment opportunities as a church musician or director, professional performer, or in the music industry.

All students are advised to select academic courses which will coincide with their intended careers. Students should become familiar with the college catalog of the intended transfer college.

Graduates of this program should be able to:

- Demonstrate proficiency on an orchestral/band instrument, piano, voice, or guitar;
- Demonstrate knowledge of the fundamentals of music;
- Write harmonizations in both diatonic and chromatic styles;
- Utilize aural skills developed through sight-singing, ear training and musical dictation;
- Perform in a recital, demonstrating both the technical and artistic components of music.

Students who plan to transfer are encouraged to check the catalogs from four-year colleges or universities for baccalaureate requirements.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics	3
Natural Science	7-8
Social Science	6
Arts & Humanities (MUS 101 required)	3
History	3
Diversity	3
Total	31-32

† See General Education Requirements on page 51.

Program Courses	Credits
MUS 105 Music Fundamentals	3
MUS 110 Aural Skills	2
MUS 115 Music Theory I	3
MUS 210 Aural Skills II	2
MUS 215 Music Theory II	3
MUC 101 Class Piano I	1
MUC 102 Class Piano II	1
MUC 103 Class Piano III	1
MUP 131-138 Applied Music I	2
MUP 141-148 Applied Music II	2
MUP 231-238 Applied Music III	2
MUP 241-248 Applied Music IV	2

Select four 1-credit courses from the following

MUS 150-153 Chorus I-IV	1	4
MUS 161-164 College Community Concert Band	1	
Total		28

Electives 0-1

Total Required for Degree 60



Associate of Applied Science, (AAS.NUR)

The philosophy of the nursing program of Rowan College at Burlington County is consistent with the mission of the college in its commitment to meet the educational needs of the community at large. The program reflects the constantly changing patterns of healthcare delivery.

This program combines classroom instruction with laboratory and clinical experiences. Students are admitted twice yearly and can choose day or evening class and clinical placements. Graduates are prepared to sit for the National Council Licensing Examination for Registered Nurses. Nursing licensure is regulated by the New Jersey Board of Nursing and legal limitations exist for eligibility to take the licensure exam. A criminal history background check is a prerequisite for admittance to the program. Students with a positive background will not be admitted to the program.

Interested applicants should check rcbc.edu/nursing for updates to admission that are posted each semester. Basic requirements for admission include: high school diploma or GED; high school level algebra, biology and chemistry with labs or equivalent college course work with a grade of C or better; achievement of a cumulative GPA of 3.0 or greater in all college course work; completion of all remedial work as determined by the College Assessment Test; TEAS admission test; CPR certification through American Heart Association BLS for Health Care Professionals (with in person component); physical examination indicating they can perform required activities outlined in the student handbook; personal health insurance; clear background check and FBI fingerprinting; negative drug screen; and all titers as listed in nursing handbook showing proof of immunity. There are no exemptions to vaccinations (including the COVID-19 vaccination) per contracts with clinical sites, either religious or otherwise at this time.

Graduates of this program will be able to:

- Apply critical thinking skills to guide decisions regarding nursing practice for individuals and groups within a complex health care delivery system;
- Adapt therapeutic interventions to assist individuals and groups in the promotion maintenance and restoration of health;
- Apply professional standards and cultural concepts in planning the care of patients with complex healthcare alterations;
- Evaluate therapeutic communication strategies when caring for individuals and groups of patients with complex healthcare alterations;
- Synthesize evidence based research as it applies to the care of patients with complex healthcare alterations;
- Demonstrate incorporation of professional nursing standards of practice and commitment to professional development into personal nursing practice.

There is currently no advanced placement for LPN to RN candidates. All LPN candidates must meet the same admission criteria as traditional students and meet the same admission requirements.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 & ENG 102 required)	6
Mathematics (MTH 107 required)	3
Natural Science (BIO 110/111 required)	4
Social Science (PSY 101 required)	3
Additional General Education Requirements (SOC 101 required and PHI 101 required)	6
Total	22

† See General Education Requirements on page 53.

Program Courses	Credits
BIO 114 Anatomy and Physiology II	3
BIO 115 Anatomy and Physiology II Lab	1
BIO 155 Microbiology	3
BIO 156 Microbiology Laboratory	1
PSY 256 Developmental Psychology	3
NUR 130* Fundamentals of Nursing	4
NUR 131* Fundamentals of Nursing Laboratory	1
NUR 132* Fundamentals of Nursing Clinical	1
NUR 140 Nursing Care of the Childbearing Family	2
NUR 141 Nursing Care of the Childbearing Family Clinical	2
NUR 145 Nursing Care of the Children and Families	2
NUR 146 Nursing Care of Children and Families Clinical	2
NUR 216 Management and Professional Issues	2
NUR 220 Nutrition in Nursing and Health Care	3
NUR 240 Nursing Care of Patients with Mental Health Alterations	2
NUR 241 Nursing Care of Patients with Mental Health Alterations Clinical	1
NUR 245 Nursing Care of Patients with Medical Surgical Health Alterations	3
NUR 246 Nursing Care of Patients with Medical Surgical Health Alterations Clinical	2
NUR 250 Advanced Concepts of Nursing Care	4
NUR 251 Advanced Concepts of Nursing Care Clinical	4
NUR 303 Pharmacology for Nursing	3
Total	49
Total Required for Degree	71

The Rowan College at Burlington County Nursing Program is accredited by:

The New Jersey Board of Nursing, 124 Halsey St., 6th Floor, Newark, NJ 07102 (973) 504-6430
and the Accreditation Commission for Education in Nursing, Inc. (ACEN), 3343 Peachtree Road, Suite 850, Atlanta, GA 30326
(404) 975-5000 • www.acenursing.com • Fax (404) 975-5020



Associate of Applied Science, (AAS.LEX)

Approved by the American Bar Association

This program is intended to prepare individuals for employment as a paralegal, also referred to as a legal assistant. A paralegal is a person, qualified by education, training or work experience, who is employed or retained by a lawyer, law office, corporation, governmental agency or other entity, and who performs specifically delegated substantive legal work for which a lawyer is responsible.

This program prepares students to perform the functions of a paralegal which typically include communicating with clients, drafting legal documents, performing research, and case management. Paralegals may not engage in the practice of law.

This rigorous program combines an in-depth study of legal concepts and the application of those concepts with a strong background in general education. This combination prepares students to work in diversified legal environments.

Students who plan to complete a baccalaureate program should consult with the program director early in the enrollment process regarding transfer opportunities or with the receiving institution regarding the transfer of credits.

Graduates of this program should be able to:

- Demonstrate an understanding of legal terminology;
- Conduct client interviews and collect relevant information for the preparation of a case;
- Demonstrate an understanding of the distinctions between the judicial systems at the local, state and national levels;
- Locate, research and cite sources of law;
- Draft documents typically required of working paralegals;
- Develop high standards of legal ethics and professional conduct.

In order to ensure the quality and integrity of the program, transfer credit for any legal specialty (LEX designated) course will only be accepted from institutions approved by the American Bar Association. In this regard, a limit of 15 credits of legal specialty courses will be accepted.

The course entitled Paralegal Skills and Practices and the course entitled Paralegal Internship are excluded from transfer in all cases.

In any instance wherein the transfer of a course from an American Bar Association approved institution has a course title or description that is not an obvious match to a corresponding course at Rowan College at Burlington County, the Coordinator of the Paralegal Program will determine the acceptance of the transfer course.

No credit is currently awarded for legal specialty courses other than by transfer or attendance.

Students are required to take at least 10 semester credits or equivalent of legal specialty courses through traditional classroom instruction.

The Rowan College at Burlington County Paralegal Program is accredited by: American Bar Association Standing Committee on Paralegals, 321 N. Clark, Chicago, IL 60654-7598, (800) 285-2221, (312) 988-5618, Fax: (312) 988-5483, www.americanbar.org, www.abaparalegals.org

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 107 or higher required)	3
Natural Science	4
Social Science	3
Arts & Humanities	3
Additional General Education Requirements (CIS 161 required)	3
Total	22

† See General Education Requirements on page 52.

Program Courses	Credits
BUA 205 Business Law I	3
LEX 110 Introduction to Paralegal Studies	3
LEX 111 New Jersey Legal Systems	3
LEX 112 Legal Writing	3
LEX 113 Legal Research and Library Use	3
LEX 122 Family Law	3
LEX 123 Bankruptcy Law	3
LEX 124 Real Property	3
LEX 125 Comparative Business Entities	3
LEX 212 Civil Litigation Practice	3
LEX 214 Administration of Decedents' Estates	3
LEX 235 Paralegal Internship	2

Select a minimum of 3 credits from the following:

ACC 110 Principles of Accounting I	3	3
BUA 208 Labor-Management Relations	3	
CIS 207 Introduction to Computer Forensics	3	
CRJ 111 Criminal Law	3	
CRJ 203 Legal Rights of the Convicted	3	
CRJ 217 Juvenile Delinquency	3	
ETC 105 Entertainment Law	3	
HIT 103 Legal Aspects of Health Information	3	
POL 215 Constitutional Law	3	
Total	38	

Total Required for Degree 60



Associate of Applied Science, (AAS.PAR)

The philosophy of the Paramedic Science Program at Rowan College at Burlington County is consistent with the mission of the college in its commitment to meet the educational needs of the community at large. The program addresses current needs within emergency medical care in healthcare delivery.

The program combines classroom instruction with high fidelity laboratory simulation and clinical experiences to encourage critical thought in the care of patients requiring emergency assistance.

*Basic requirements for admission include:

- High school diploma or GED;
- High school level English, algebra and biology;
- Completion of all remedial work as determined by the college assessment test;
- Current and valid EMT license from New Jersey;
- CPR certification for the healthcare provider or the professional rescuer through the American Heart Association, American Red Cross or National Safety Council;
- The ability to perform the physical requirements of the profession;
- A complete medical history and physical exam to include bloodwork and a drug screen;
- A criminal history background check; and
- Personal health insurance.

Graduates of this program will be able to:

- Perform entry-level skills in a variety of settings as described by the scope of practice for a paramedic;
- Demonstrate personal and professional ethics and interpersonal communication skills that are expected in emergency settings;
- Utilize critical thinking skills to assess and care for a diverse population of critically ill and injured patients;
- Exhibit proficiency in the use of technology and adjunct and diagnostic equipment utilized in paramedic sciences; and
- Demonstrate leadership skills in assuming responsibility for directing and managing emergency situations.

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics (MTH 107)	3
Natural Science (BIO 110/111 or BIO 208/209)	4
Social Science (PSY 101)	3
Additional General Education Requirements (BIO 114/115 or BIO 212/213, PSY 256 required)	7
Total	23

† See General Education Requirements on page 53.

Program Courses	Credits
PAR 111 Principles of Paramedic Science I	8
PAR 112 Paramedic Skills and Scenario Lab I	2
PAR 113 Paramedic Clinical Practice I	1
PAR 121 Principles of Paramedic Science II	4
PAR 122 Paramedic Skills and Scenario Lab II	1
PAR 123 Paramedic Clinical Practice II	1
PAR 231 Principles of Paramedic Science III	4
PAR 232 Paramedic Skills and Scenario Lab III	1
PAR 233 Paramedic Clinical Practice III	2
PAR 242 Paramedic Skills and Scenario Lab IV	2
PAR 243 Paramedic Clinical Practice IV	2
PAR 252 Paramedic Skills and Scenario Lab V	1
PAR 253 Paramedic Field Internship I	3
PAR 262 Paramedic Skills and Scenario Lab VI	1
PAR 263 Paramedic Field Internship II	3
PAR 271 Paramedic Capstone Course	2
PAR 272 Paramedic Skills and Scenario Lab VII	1
PAR 273 Paramedic Field Residency	2
Total	41

Total Required for Degree 64

*Please see paramedic science student handbook for all admission requirements.

The Paramedic Science Program at Rowan College at Burlington County is accredited by:
 The Commission on Accreditation of Allied Health Education Programs (CoAEMSP), 8301 Lakeview Parkway Suite 111-312,
 Rowlett, TX 75088, 214-703-8445, FAX 214-703-8992, www.coaemsp.org



Certificate, (CRT.PAR) §

The philosophy of the Paramedic Science Program at Rowan College at Burlington County is consistent with the mission of the college in its commitment to meet the educational needs of the community at large. The program addresses current needs within emergency medical care in healthcare delivery.

The program combines classroom instruction with high fidelity laboratory simulation and clinical experiences to encourage critical thought in the care of patients requiring emergency assistance.

*Basic requirements for admission include:

- High school diploma or GED;
- High school level English, algebra and biology;
- Completion of all remedial work as determined by the college assessment test;
- Current and valid EMT license from New Jersey;
- CPR certification for the healthcare provider or the professional rescuer through the American Heart Association, American Red Cross or National Safety Council;
- The ability to perform the physical requirements of the profession;
- A complete medical history and physical exam to include bloodwork and a drug screen;
- A criminal history background check; and
- Personal health insurance.

Graduates of this program will be able to:

- Perform entry-level skills in a variety of settings as described by the scope of practice for a paramedic;
- Demonstrate personal and professional ethics and interpersonal communication skills that are expected in emergency settings;
- Utilize critical thinking skills to assess and care for a diverse population of critically ill and injured patients;
- Exhibit proficiency in the use of technology and adjunct and diagnostic equipment utilized in paramedic sciences; and
- Demonstrate leadership skills in assuming responsibility for directing and managing emergency situations.

General Education Courses †	Credits
Natural Science (BIO 110/111 or BIO 208/209)	4
Natural Science (BIO 114/115 or BIO 212/213)	4
Total	8

† See General Education Requirements on page 51.

Program Courses	Credits
PAR 111 Principles of Paramedic Science I	8
PAR 112 Paramedic Skills and Scenario Lab I	2
PAR 113 Paramedic Clinical Practice I	1
PAR 121 Principles of Paramedic Science II	4
PAR 122 Paramedic Skills and Scenario Lab II	1
PAR 123 Paramedic Clinical Practice II	1
PAR 231 Principles of Paramedic Science III	4
PAR 232 Paramedic Skills and Scenario Lab III	1
PAR 233 Paramedic Clinical Practice III	2
PAR 242 Paramedic Skills and Scenario Lab IV	2
PAR 243 Paramedic Clinical Practice IV	2
PAR 252 Paramedic Skills and Scenario Lab V	1
PAR 253 Paramedic Field Internship I	3
PAR 262 Paramedic Skills and Scenario Lab VI	1
PAR 263 Paramedic Field Internship II	3
PAR 271 Paramedic Capstone Course	2
PAR 272 Paramedic Skills and Scenario Lab VII	1
PAR 273 Paramedic Field Residency	2
Total	41

Total Required for Degree 49

*Please see paramedic science student handbook for all admission requirements.

The Paramedic Science Program at Rowan College at Burlington County is accredited by:

The Commission on Accreditation of Allied Health Education Programs (CoAEMSP), 8301 Lakeview Parkway Suite 111-312, Rowlett, TX 75088, 214-703-8445, FAX 214-703-8992, www.coaemsp.org

§ This certificate is NOT eligible for Financial Aid.



Option to Liberal Arts, (AA.PHI)

Philosophy training teaches students how to think, especially about the most fundamental questions. Growing out of this belief, the Philosophy program has two general aims.

The first is to provide students who may enter a variety of majors at the upper division level with a liberal arts foundation centered in disciplined thought and moral awareness. Such a foundation is important for many professions today, including law, and other graduate programs.

The second is to provide students whose eventual goal is teaching and/or research in philosophy, religion or ethics with a strong two-year foundation for entering a philosophy major at a transfer college.

Students planning to transfer after graduation should consult the catalog of the college where they intend to complete their studies.

Graduates of this program should be able to:

- Think critically about a variety of philosophical or religious issues;
- Write at a level that uses discourse and analysis appropriate to philosophy or comparative religion;
- Demonstrate breadth and diversity by discussing approaches from a variety of philosophical or religious traditions;
- Demonstrate sound judgment in approaching contemporary moral problems.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics	3
Natural Science	7-8
Technology	3
Social Science	6
Arts & Humanities (PHI 101 required)	9
History	6
Diversity	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
<i>Select 12 credits from the following:</i>	
PHI 105 Introduction to Logic	3
PHI 112 Eastern Philosophy	3
PHI 205 Ethics	3
PHI 210 History of Philosophy	3
PHI 220 Environmental Ethics	3
PHI 230 Biomedical Ethics	3
PHI 240 World Philosophy	3
POL 220 Western Political Thought	3
REL 205 Comparative Religion	3
Total	12
Electives	1-2
Total Required for Degree	60



Associate of Fine Arts, (AFA.PHO)

The photography program provides students with a foundation in the skills necessary for continuation and/or completion of a baccalaureate photography program at a four-year institution. The program also prepares students for entry-level work in commercial, editorial, corporate, portrait, wedding, and public relations photography. In addition, graduates of the program may choose to work as a self-employed freelance photographer.

Students planning to transfer to a baccalaureate program should consult the catalog of the college where they intend to complete their studies.

Graduates of this program will be able to:

- Demonstrate proficiency operating SLR cameras;
- Demonstrate skills necessary to produce photographs such as developing and printing film or editing images with Adobe software;
- Design lighting set-ups for studio and location photography;
- Produce a cohesive body of work for printed or online presentation;
- Evaluate images in the context of group critiques;
- Identify various elements of photography or art such as history, themes, artists, and styles.

General Education Courses †		Credits
Written & Oral Communications		6
Mathematics (MTH 113 recommended)		3
Natural Science (PSC 105/106 recommended)		4
Social Science (PSY 101 recommended)		3
Arts & Humanities		3
Additional General Education Requirements (CIS 161 required)		3
Total		22

† See General Education Requirements on page 52.

Program Courses		Credits
ART 110	Design I	3
ART 112	Design II	3

Select 3 credits from the following:

ART 250	Art History I	3		3
ART 252	Introduction to Modern Art	3		

GDD 101	Introduction to Computer Graphics	3
PHO 102	Black and White Photography I	3
PHO 115	History of Photography	3
PHO 120	Digital Photography I	3
PHO 202	Black and White Photography II	3
PHO 203	Portfolio Production	2
PHO 207	Portrait Photography	3
PHO 215	Digital Photography II	3
PHO 220	Studio Photography	3
Total		35

Electives 3

Total Required for Degree 60

Photography



Certificate, (CRT.PHO)

The photography certificate program enables students to venture into entry-level positions in commercial, corporate, editorial, portrait, wedding, and public relations photography. In addition, graduates of the program may choose to work as a self-employed freelance photographer.

Graduates of this program should be able to:

- Operate both traditional and digital cameras with varying formats;
- Use photo imaging software;
- Employ lab procedures in both film processing and printing;
- Design lighting set-ups for both studio and location photography;
- Operate scanners and ink jet printers;
- Work collaboratively with colleagues in photography and supported occupations;
- Develop critical thinking skills necessary to be an effective photographer;
- Demonstrate entry-level competence in the photography profession.

General Education Courses		Credits
ENG 101	English Composition	3
ART 101	Introduction to Art	3
Total		6

Program Courses		Credits
GDD 101	Introduction to Computer Graphics	3
PHO 102	Black and White Photography I	3
PHO 115	History of Photography	3
PHO 120	Digital Photography I	3
PHO 202	Black and White Photography II	3
PHO 203	Portfolio Production	2
PHO 207	Portrait Photography	3
PHO 215	Digital Photography II	3
PHO 220	Studio Photography	3
Total		26

Total Required for Certificate		32
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Option to Liberal Arts and Sciences, (AS.PHY)

Physics is the study of the basic principles of the natural world. This program is designed for those students interested in transferral into a baccalaureate program in physics. The goals of the program are to provide students with a clear understanding of the basic concepts and principles of physics, and to strengthen their understanding through problem solving and laboratory experiments.

Graduates of this program should be able to:

- Apply critical thinking skills and equations to solve numerical problems;
- Apply critical thinking skills to solve conceptual problems;
- Demonstrate good laboratory skills;
- Demonstrate effective oral and written communication skills.

General Education Courses †		Credits
Written & Oral Communications		6
Mathematics (MTH 118 required)		4
Natural Science		8
Social Science		6
Arts & Humanities		3
History		3
Diversity		3
Total		33

† See General Education Requirements on page 51.

Program Courses		Credits
CSE 135	Computer Programming & Problem Solving	3
MTH 119	Calculus II and Analytical Geometry	4
MTH 220	Calculus III and Analytical Geometry	4
PHY 210	General Physics I	3
PHY 211	General Physics I Laboratory	1
PHY 212	General Physics II	3
PHY 213	General Physics II Laboratory	1
Total		19

Electives (recommended):		8
CHE 115/116	General Chemistry I /Lab	
CHE 117/118	General Chemistry II /Lab	
EGR 201	Engineering Statics	
EGR 202	Engineering Dynamics	
MTH 230	Differential Equations	

Total Required for Degree **60**



Option to Liberal Arts, (AA.POL)

The study of political science encompasses the human experience within the constantly changing world political system. The Political Science program provides studies in United States, foreign, and international politics, and government. Political Science courses offer a range of basic requirements for careers in law, criminal justice, corrections, business, industry, government service, teaching, public policy, political journalism, lobbying, legislative service, and political research. Students who wish to transfer to a baccalaureate program upon completion of the AA in Political Science should check the catalogs of four-year colleges and universities in order to coordinate requirements.

Graduates of this program should be able to:

- Describe the types of governments currently part of the world political system;
- Explain how governments impact daily life and modern-day politics;
- Assess the roles of actors and political institutions;
- Analyze how different forms of political participation can affect political outcomes;
- Examine how historical processes help shape various elements such as basic concepts, issues and theories in the world political system;
- Demonstrate familiarity with major concepts of political science.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics (MTH 107 recommended)	3
Natural Science	7-8
Technology	3
Social Science	6
Arts & Humanities	9
History (HIS 101 & HIS 102 recommended)	6
Diversity	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
POL 101 American Government and Politics	3
POL 103 Comparative Government and Politics	3

Select 6 credits from the following:

POL 215 Constitutional Law	3	6
POL 220 Western Political Thought	3	
POL 250 International Politics	3	
Total	12	

Electives (recommended):	1-2
BUA 205 Business Law I	
BUA 206 Business Law II	
CRJ 111 Criminal Law	

Total Required for Degree	60
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Option to Liberal Arts, (AA.PSY)

The Psychology Option to Liberal Arts provides students with an understanding of how individual behavior is connected to biological, developmental, cognitive, and social processes. This option presents a scientific framework for understanding their own feelings, thoughts, and behaviors, and that of others. In addition, students may be able to deal with their own lives more effectively. The Psychology program offers students the opportunity to gain knowledge of numerous topics in psychology, and to examine select areas in more depth.

Psychology studies are foundational to many career areas such as education, social work, medicine, and industry. Students who plan on transferring to a baccalaureate program in psychology should check the catalog of four-year colleges and universities before selecting courses.

Graduates of this program should be able to:

- Describe key concepts, principles, and overarching themes in psychology;
- Use scientific reasoning to interpret psychological research;
- Apply the perspective of psychology to contemporary social issues;
- Apply critical thinking, analysis, and synthesis to develop and defend a position;
- Demonstrate effective oral and written communication skills;
- Apply psychological content and skills to career goals.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics	3
Natural Science (BIO 103/104 & BIO 107/108 recommended)	7-8
Technology	3
Social Science (PSY 101 required & SOC 101 recommended)	6
Arts & Humanities	9
History	6
Diversity	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
<i>Select 12 credits from the following:</i>	
PSY 105 Group Dynamics	3
PSY 202 Interviewing Techniques	3
PSY 203 Human Sexuality	3
PSY 250 Educational Psychology	3
PSY 251 Child & Adolescent Psychology	3
PSY 255 Abnormal Psychology	3
PSY 256 Developmental Psychology	3
PSY 258 Psychology of Personality	3
PSY 259 Social Psychology	3
Total	12
Electives (recommended):	1-2
SRS 150 Introduction to Student Research	
SRS 250 Intermediate Student Research	
SLR 111 Service-Learning Practicum	
SLR 112 Service-Learning Practicum and Community Partnerships	
Total Required for Degree	60

*Recommended for students transferring to Rowan University.



Associate of Applied Science, (AAS.RAD)

This program prepares students for entry into careers as Radiologic Technologists. A Radiologic Technologist is responsible for the production of radiographic images. This is a full-time day program that begins each summer semester and lasts six consecutive semesters (24 months).

The program consists of both an academic and clinical component. General education and program courses provide a foundation in the knowledge and skills needed to develop a life of personal fulfillment and contribution to society. Content areas of the academic component include positioning, exposure, patient care, equipment, and radiation protection. Experience at the clinical education setting and lab is required to successfully complete the competency based clinical component.

The program emphasizes communication, critical thinking, personal integrity, assessment and evaluation of radiographs and performing radiography exams. It prepares students to interact with patients as well as all health care professionals.

Enrollment into this program is limited by the number of available clinical sites. Students who are interested in this program should plan on attending the Radiography Information Seminar, which is held periodically throughout the year. A digital Radiography program application is to be submitted and the applicant must meet specific criteria for admission. The digital application is only available on the Radiography Program website, rcbc.edu/radiography/associate-applied-science during the application cycle. The application cycle begins August 1 and ends October 31.

Admitted students must:

- Hold current certification in CPR from the American Heart Association BLS for Health Care professionals;
- Complete a satisfactory physical examination indicating they can perform the rigorous program activities;
- Undergo and pass a criminal background check and drug screening;
- Maintain malpractice/liability insurance and personal health insurance throughout the program;
- Students are responsible for their own transportation to clinical sites.

Graduates of the program are eligible to take the examination offered by the American Registry of Radiologic Technologists and/or the state licensing examination.

Graduates of this program should be able to:

- Have knowledge and skills required to be clinically competent in all radiographic tasks necessary for an entry level radiographer including; apply positioning skills, utilize safe radiation protection practices, and attain the technical knowledge appropriate for an entry level technologist on the ARRT examination;
- Demonstrate oral and written communication skills;
- Develop critical thinking skills including; adapt standard procedures for non-routine patients and critique images for diagnostic quality;
- Model professionalism including; demonstrate a good work ethic and participate in personal and professional growth opportunities.

General Education Courses †	Credits
Written & Oral Communications (ENG 101 and SPE 102 required)	6
Mathematics (MTH 107 required)	3
Natural Science (BIO 110/111 required)	4
Social Science (PSY 101 required)	3
Additional General Education Requirements (CIS 101 and SOC 101 required)	6
Total	22

† See General Education Requirements on page 53.

Program Courses	Credits
BIO 114 Fund. of Anatomy & Physiology II	3
BIO 115 Fund. of Anatomy & Physiology II Lab	1
HIT 106 Medical Terminology	3
RAD 107 Principles of Radiation Protection & Biology	2
RAD 113 Introduction to Radiologic Science	2
RAD 117 Patient Care in Radiologic Science	2
RAD 127 Radiographic Image Production, Characteristics & Principles	2
RAD 129 Digital Image Acquisition and Display	2
RAD 140 Radiography Clinical Procedures I	3
RAD 142 Clinical Practicum & Image Evaluation I	2
RAD 150 Radiography Clinical Procedures II	3
RAD 152 Clinical Practicum & Image Evaluation II	2
RAD 160 Radiography Clinical Procedures III	3
RAD 162 Clinical Practicum & Image Evaluation III	2
RAD 235 Radiographic Imaging Equipment	2
RAD 240 Radiography Clinical Procedures IV	3
RAD 242 Clinical Practicum & Image Evaluation IV	3
RAD 250 Radiography Clinical Procedures V	2
RAD 252 Clinical Practicum & Image Evaluation V	3
RAD 262 Clinical Practicum & Image Evaluation VI	3
Total	48

Total Required for Degree 70

This program is accredited by Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850
Chicago, IL 60606-2901
(312) 704-5300 | mail@jrcert.org
and
New Jersey Radiologic Technology of Board Examiners Department of Environmental Protection Bureau of X-Ray Compliance
P.O. Box 420 Mail Code 25-01, Trenton, NJ 08625-0420
(609) 984-5890



Certificate, (CRT.BUS)

The Small Business certificate program is designed to provide students with the knowledge and skills necessary to operate or assist in the operation of a small business. Small business continues to be a major engine of growth in our economy, outstripping the rate of growth in all other business sectors.

Students may be able to transfer certificate credits for use in associate or baccalaureate degree program. Students are strongly advised to seek information regarding admission and transfer requirements.

Graduates of this program should be able to:

- Demonstrate an understanding of how new business is started;
- Demonstrate an understanding and knowledge of the concept of customer relationship management;
- Demonstrate an understanding of a strategic marketing plan, which effectively combines the marketing mix elements of product, price, promotion and place;
- Demonstrate effective communication skills;
- Demonstrate an understanding of accounting systems;
- Analyze and resolve problems common to small business.

General Education Courses		Credits
Written Communications (ENG 101 required)		3
Mathematics (MTH 107 or higher required)		3
Total		6

Program Courses		Credits
ACC 110	Principles of Accounting I	3
BUA 101	Business Functions in a Global Society	3
BUA 102	Principles of Management	3
BUA 205	Business Law I	3
BUA 220	Principles of Marketing	3
BUA 230	Small Business Management	3
ECO 203	Principles of Microeconomics	3
COM 200	Business and Professional Communication	3
Total		24

Total Required for Certificate	30
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Option to Liberal Arts, (AA.SOC)

Sociology is the study of society and human behavior, social action, and social change. The focus of study in this program involves application of critical thought to social processes and social problems. Specific areas of interest include social institutions, symbolic meaning, bureaucratic organizations, socialization, deviance, political systems, class society, social interaction, the family, gender, minority relations, social movements, and social change.

Students should also coordinate their course work with the catalog of the intended transfer institution since graduates of this program usually transfer.

A degree in sociology prepares the student for work in the public and private sectors, including such diverse fields as government agencies, advocacy groups, educational institutions, social services, counseling, corrections, business management, office administration, mass media, urban studies, ecology and the political arena.

Graduates of this program should be able to:

- Demonstrate a fundamental understanding of social life and human behavior in society;
- Analyze a social problem through the process of research and data;
- Develop an understanding and appreciation of human experience from a global perspective;
- Identify diversity, social catalysts, and the origin of detriments of social issues;
- Explain how contemporary social issues and sociological models can promote an understanding of the sociological perspective.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics (MTH 107 recommended)	3
Natural Science	7-8
Technology	3
Social Science (ANT 102 & PSY 101 recommended)	6
Arts & Humanities (PHI 101 recommended)	9
History (HIS 102 & HIS 104 recommended)	6
Diversity	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
SOC 101 Principles of Sociology	3

Select 9 credits from the following:

SOC 201 Social Problems	3	9
SOC 205 Marriage and the Family	3	
SOC 207 Communication, Mass Media & Society	3	
SOC 208 Social Classes in America	3	
SOC 209 Introduction to Women's Studies	3	
SOC 210 Minority Groups	3	

Total	12
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Electives	1-2
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Total Required for Degree	60
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Technical Studies

Associate of Applied Science, (AAS.TES)

This program allows students to earn credits toward an Associate of Applied Science (AAS) degree in Technical Studies through educational experience for approved apprenticeships and corporate, industrial, or military training programs. The technical core credits will be applied to an AAS degree up to 23 credits. Students must earn additional general education credits and program course credits, depending on their choice of concentration.

Students may choose to earn an AAS degree in Technical Studies in a Business Management, Construction Management, or General option.

All elective courses will be selected with the assistance of a faculty advisor.

Graduates of this program should be able to:

- Communicate effectively using written, oral and computer skills;
- Retrieve, create, organize, analyze, disseminate and communicate information using technology;
- Describe the interdisciplinary/ multidisciplinary aspects of the chosen career field;
- Demonstrate ability to think logically and solve problems using analysis, synthesis and evaluation;
- Portray cultural competence and sensitivity in a professional setting.

**Credits awarded on successful completion of an approved apprenticeship or corporate, industrial or military training programs.*

General Education Courses †	Credits
Written & Oral Communications	6
Mathematics	3
Natural Science (PHY 110/111 recommended)	4
Social Science	3
Arts & Humanities	3
Additional General Education Credits (Required – any diversity course listed on page 51)	3
Total	22

† See General Education Requirements on page 52.

Technical Core	Credits*
Credits awarded in recognition of educational experience earned for approved apprenticeships OR corporate, industrial or military training.	23
Total	23

Concentration Options (choose one)
Students must take 15 credits in a particular area of study (ex. alternative energy, biology, etc.), or in one of the following concentrations:

BUSINESS MANAGEMENT (choose courses with the advice of the Dean)	15
Total Business Management credits	15

CONSTRUCTION MANAGEMENT (choose courses with the advice of the Dean)	15
Total Construction Management credits	15

GENERAL MANAGEMENT (choose courses with the advice of the Dean)	15
Total General Management credits	15

FIRE SCIENCE (choose courses with the advice of the Dean)	15
Total Fire Science credits	15

Electives – *Any credits not satisfied by Technical Core can be taken as electives.*

Total Required for Degree	60
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Option to Liberal Arts, (AA.THR)

The Associate of Arts in Theatre is designed to prepare students for transfer to a four-year school offering a Bachelor of Arts or Bachelor of Fine Arts with concentration in Theatre or Speech and Theatre.

Students planning to pursue a Bachelor of Arts degree may intend to teach in the public schools, with proper school certification, either at the elementary or secondary level. Students who transfer to a four-year school offering a Bachelor of Fine Arts may intend to pursue a career in the professional theatre in acting, directing, scene design or technical theatre.

Students who earn degrees in Theatre often find careers in sales, marketing, broadcasting, public relations, and law or pursue higher degrees in Communications.

Graduates of this program should be able to:

- Discuss the culture of the theatre, including the ethics, financial implications, and necessary personal commitment;
- Identify personal strengths and weaknesses in the areas of voice, body and imagination;
- Execute, either onstage or backstage, a college produced play;
- Define and apply the vocabulary of the theatre;
- Demonstrate effective written and oral communication skills as used in critiquing art.

Students who wish to complete a baccalaureate degree in theatre should become familiar with the college catalog for the intended transfer institution.

General Education Courses †	Credits
Written & Oral Communications	9
Mathematics	3
Natural Science	7-8
Technology	3
Social Science	6
Arts & Humanities (THR 101 required & LIT 220 recommended)	9
History	6
Diversity	3
Total	46-47

† See General Education Requirements on page 49.

Program Courses	Credits
THR 105 Fundamentals of Acting I	3
THR 110 Stagecraft I	3
THR 113 Children's Theatre or	3 3
THR130 Musical Theatre Workshop	3 3
THR125 Voice and Diction	3
Total	12

Electives	2
Total Required for Degree	60

Course Descriptions

Each description includes a key indicating the weekly hours assigned to lecture, laboratory or studio and clinical activities for the course. For example, 3/2/1 means the course involves 3 hours of lecture per week, 2 hours of lab or studio per week, and 1 hour clinical per week.

Certain courses are offered only once or twice a year or on a 15-week format only. Please check course descriptions and semester brochures. Some courses require a course or materials fee.

ACCOUNTING

ACC 110 Principles of Accounting I 3 cr.

This course introduces accrual accounting theory and practice. It emphasizes the accounting cycle, merchandising accounting, income measurement, valuation of assets, internal controls, accounting for current and fixed assets, accounting for current and long term liabilities, accounting for sole proprietorships, partnerships, and corporate business forms, and financial statement presentation and interpretation. It includes instruction in electronic spreadsheet applications.

Prerequisite: MTH-075; ENG-080 or ENG-075

3/0/0 FA/SP Course fee charged

ACC 111 Principles of Accounting II 3 cr.

This course examines the uses of accounting data in the management process. It includes preparing and using financial statements, cost behavior analysis, standard costing, manufacturing, job order and process costing, activity based costing, budgeting and control, performance measurement, responsibility accounting, cash flows, capital budgeting, and incremental analysis. It includes instruction in electronic spreadsheet applications.

Prerequisite: ACC 110

3/0/0 FA/SP/SU Course fee charged

ACC 116 Computerized Accounting 3 cr.

This course will provide an introduction to computerized accounting practice in a realistic and practical manner. The student will apply accounting concepts and procedures in using the computer. Projects will include general ledger, accounts payable, accounts receivable and payroll. The emphasis of the course will be an in-depth knowledge of a computerized accounting package which will be used to enter transactions, make adjusting entries, and produce financial statements. In addition, Microsoft Excel will be used to computerize the accounting cycle.

Prerequisite: ACC 110

3/0/0 FA/SP

ACC 210 Intermediate Accounting I 3 cr.

This course demonstrates the application of current accounting principles and procedures to problems such as financial statement presentation, balance sheet, profit determination, depreciation and accounting for current assets.

Prerequisite: ACC 111

3/0/0 FA/SP/SU

ACC 211 Intermediate Accounting II 3 cr.

This course emphasizes investments, depreciable assets, intangibles, liabilities, leases, corporate capital, retained earnings, statement of cash flows, and earnings per share.

Prerequisite: ACC 210

3/0/0 SP

ACC 213 Cost Accounting 4 cr.

This course focuses on cost concepts, job order and process costing, analysis of materials, labor and factory overhead costs, budgeting, standard costing, and capital budgeting.

Prerequisite: ACC 111

4/0/0 FA Course fee charged

ALTERNATIVE ENERGY

ALT 110 Energy Auditing for Residential Buildings 3 cr.

This course will assist students to understand single-family buildings and how residential structures interact with the internal systems and loads and external loads and impacts. Students will need to travel to various off-campus residential locations to perform hands-on energy audit procedures. This course is essentially divided into three sections: 1. Building Science and Building Systems; 2. Energy Auditing, Practices and Procedures; and 3. The Economics of Energy Upgrades. There will be an emphasis on exploring "green" employment opportunities. This course will prepare students for the Building Performance Institute's (BPI) Building Analyst certification.

Corequisite: ALT 111

3/0/0 Course fee charged

ALT 111 Energy Auditing for Residential Buildings Laboratory 1 cr.

This course exposes students to the design and function of various heating, ventilating and air conditioning (HVAC) systems found in typical residential homes. The course will enable the student to understand the various HVAC systems. Students will learn the skills to complete diagnostics in the field of Energy Auditing/HVAC industry, and to conduct safety and performance testing to assess system condition and identify savings opportunities.

Corequisite: ALT 110

0/2/0 SP Course fee charged

ALT 113 Alternative Energy Sources 3 cr.

This course is designed to give the student a basic knowledge of current forms of alternative energy, such as solar thermal, solar electric (photovoltaic), hydroelectric, bioenergy (ethanol & pyrolysis), ocean energy, wind, and geothermal. There is an emphasis on alternative electric generation. Energy conversions and the socio-economic implications of alternative sources will be presented. There will be discussion on the latest trends in alternative energy generation and distribution.

3/0/0

ALT 115 Solar Photovoltaic Systems I 3 cr.

This course provides an introduction to PV systems, including PV markets and applications, safety basics, electricity basics, solar energy fundamentals, PV module fundamentals, and system components. In conjunction with the follow-up course (Solar Photovoltaic Systems II), these two PV systems courses are designed to provide the student with the necessary knowledge and skills to pass the "NABCEP Photovoltaic Associate" exam (North American Board of Certified Energy Practitioners).

Prerequisite: PHY 107

Corequisite: ALT 116

3/0/0

ALT 116 Solar Photovoltaic Systems I Laboratory 1 cr.

This lab provides hands-on skills for understanding basic electricity, electrical circuits and solar photovoltaic (PV) systems. This lab may also review software for solar PV calculations, monitoring, and data recording. Students will also learn practical skills on the environmental effects on solar PV systems. Students will be expected to write up lab reports which will be used in grading.

Prerequisite: ALT 115 (if not taken as a corequisite)

Corequisite: ALT 115

0/2/0 Course fee charged

ALT 141 Energy Investment Analysis 3 cr.

This course includes: interest, simple payback and life-cycle cost analysis; time value of money; cash flow equivalence; cost-benefit analysis; effects of tax credits, depreciation, inflation and/or escalating fuel costs on energy investments; and cost estimating procedures. The emphasis will be on analysis of energy investments using worksheets and Life-Cycle Cost Analysis (LCCA) software to consider total cost-benefits over the life of an investment and cost estimation procedures.

Prerequisite: ALT 110

3/0/0 FA/SP

ALT 215 Solar Photovoltaic Systems II 3 cr.

This course follows Solar Photovoltaics Systems I. Topics include PV system sizing principles, PV system electrical design, PV system mechanical design, and performance analysis, maintenance, and troubleshooting. At the end of this second course, the student should have the necessary knowledge to pass the "NABCEP Photovoltaic Associate" exam (North American Board of Certified Energy Practitioners).

Prerequisite: ALT 115, ALT 116

Corequisite: ALT 216

3/0/0 FA/SP

ALT 216 Solar Photovoltaic Systems II Laboratory 1 cr.

This course will instruct students in the hands-on aspects of solar photovoltaic (PV) system installation. Topics include PV design review, solar project management, site safety, electrical and mechanical component installation, the completion process, maintenance, and troubleshooting. Students must dress in construction-type shoes and appropriate attire to perform class activities outdoors. This course will help prepare students for the NABCEP (North American Board of Certified Electrical Practitioners) PV Associate and PV Installation Professional certification exams.

Prerequisites: ALT 115, ALT 116

Corequisite: ALT 215

0/2/0 FA/SP Course fee charged

ALT 222 Energy Storage and Microgrids 3 cr.

Students in this course will learn the basics of energy storage and microgrid (ESM) systems. Students will be introduced to the benefits and markets of ESM systems, as well as the science, technology, and economics of most common systems.

Prerequisite: ALT 115 and ALT 116

3/0/0

AMERICAN SIGN LANGUAGE**ASL 101 Elementary American Sign Language I 3 cr.**

This course introduces students to American Sign Language, visual-gestural communication, and deaf culture. Students begin to develop receptive and expressive communications skills with an introduction to American Sign Language transcription, non-manual behaviors, topic-comment structure, sentence types, noun-verb pairs, use of space, pronominalization, classifiers, and temporal and distributional aspects. A minimum of five contact hours in the deaf community is required.

3/0/0 FA/SP

ASL 102 Elementary American Sign Language II 3 cr.

This course develops the receptive and expressive communications skills acquired in ASL 101. It presents a more in-depth examination of American Sign Language transcription, non-manual behaviors, topic-comment structure, sentence types, noun-verb pairs, use of space, pronominalization, classifiers, and temporal and distributional aspects. A minimum of ten contact hours in the deaf community is required.

Prerequisite: ASL 101

3/0/0 FA/SP

ASL 103 American Deaf Culture 3 cr.

This course introduces students to deaf people as a cultural linguistic minority group. Students may or may not have had prior experience with deaf people. It examines the values, norms, and traditions of deaf people in North America. It emphasizes myths surrounding deafness, the historical treatment of deafness and deaf people, the anatomy of the ear and the etiology of hearing loss, the education of deaf children, the deaf identity, legislation that affects the deaf and hard of hearing population, interpreters and their work between cultures, deaf-blindness, and current controversies in technology and education. Although this course focuses on deaf people in the western world, global comparisons are drawn.

3/0/0 FA/SP

ASL 104 Fingerspelling 3 cr.

This course is for students with limited knowledge of deaf American culture or its language, American Sign Language (ASL). It builds on demonstrated receptive and expressive skills in the language and lays a foundation for and builds upon receptive and expressive skills in finger-spelling. It includes overviews of finger-spelling theory and practice through demonstrations and videos.

Prerequisite: ASL 101, ASL 103

Corequisite: ASL 102

3/0/0 FA/SP

ASL 201 Intermediate American Sign Language I 3 cr.

This course develops the expressive and receptive communications skills acquired in ASL 102. Students begin to demonstrate competency and understanding of non-manual behaviors, topic-comment structure, sentence types, noun-verb pairs, use of space, pronominalization, classifiers, and temporal and distributional aspects.

Prerequisite: ASL 102

3/0/0

ASL 202 Intermediate American Sign Language II 3 cr.

This course develops the expressive and receptive communications skills acquired in ASL 201. Students demonstrate competency and an in-depth understanding of non-manual behaviors, topic-comment structure, sentence types, noun-verb pairs, use of space, pronominalization, classifiers, and temporal and distributional aspects.

Prerequisite: ASL 201

3/0/0

ASL 203 Advanced American Sign Language I 3 cr.

This course develops the expressive and receptive communications skills acquired in ASL 202 so students begin to demonstrate fluency.

Prerequisite: ASL 202

3/0/0

ASL 204 Advanced American Sign Language II 3 cr.

This course develops the expressive and receptive communications skills acquired in ASL 203 so students demonstrate fluency.

Prerequisite: ASL 203

3/0/0

ANTHROPOLOGY**ANT 102 Introduction to Cultural Anthropology 3 cr.**

This course covers the similarities and differences in human societies, from hunting and gathering to industrialized societies. It compares and contrasts American beliefs and practices with those of other societies.

3/0/0

ANT 103 Biological Anthropology 3 cr.

This course provides an overview of evolutionary theory and evidence of human evolution. This course begins by examining and discussing the basic tenets of evolutionary theory and principles. The bulk of the course is spent applying an evolutionary perspective to the understanding of why humans are the way they are physically and mentally. The course examines human evolutionary history as well as how an evolutionary perspective informs our understanding of contemporary human behavior and culture, along with coverage of anthropological genetics, osteology, and primatology.

3/0/0 FA/SP/SU

APPLIED TECHNOLOGY MANAGEMENT

ATM 110 Materials Management and Inventory Control 3 cr.

This course enables students to understand and apply the basics of materials management, including all activities in the flow of materials from the supplier to the consumer. A primary course focus is on inventory management and the factors that affect materials flow, such as materials procurement, storage and warehousing, inventory systems, and production planning and control. Students will be able to make decisions regarding practical aspects of materials management as practiced in business firms.

Prerequisite: EGR 151

3/0/0 SP

ATM 220 Engineering Economics and Technical Sales 3 cr.

This course introduces students to the fundamentals of engineering economics and technical sales. The course covers methods and tools that will allow students to perform analysis of project investment alternatives to evaluate both in-house and in-the-field projects. Students learn the steps of the technical sales process along with related technical communication skills.

Prerequisite: SPE 102

3/0/0 FA

ATM 250 Quality Management 3 cr.

This course provides students with the knowledge and hands-on techniques required to improve product quality and process efficiency by identifying and measuring production process variability. The course provides the foundation for running an effective business, examining several quality management philosophies, business management tools, and human resources practices. Current applications of quality tools are covered. This course introduces students to customer focus, continuous improvement of processes, strategic planning, and emphasis on business results.

Prerequisite: TEC 120

2/2/0 SP Course Fee Charged

ATM 260 Lean Six Sigma 3 cr.

Lean Six Sigma provides students with a systematic approach for the elimination of non-value added activities throughout a production system. Five basic principles characterize a lean production system: value definition, value stream mapping, flow optimization, pull production, and continuous improvement. This course introduces students to the fundamentals of each Lean Six Sigma principle that underlies modern continuous improvement approaches for industry, government and other organizations.

Prerequisite: TEC 120

3/0/0 SP

ARABIC

ARA 101 Elementary Arabic I 3 cr.

This is a comprehensive foundation course for beginning students of Modern Standard Arabic. It offers an essential grounding for developing successful communication strategies by practicing listening comprehension and speaking skills with the sounds and characteristics of Arabic. It will also provide students with opportunities to read and write simple Arabic prose to meet their communication needs. It introduces students to the culture and history of the Arabic speaking world.

3/0/0 FA/SP

ARA 102 Elementary Arabic II 3 cr.

This course provides an expanded overview of the syntax, structures, and vocabulary of Modern Standard Arabic, including extended practice in the four skill areas of listening comprehension, speaking, reading, and writing. It introduces students to basic Arabic grammar and some aspects of the Arabic culture and history of the Arabic-speaking world.

Prerequisite: ARA 101

3/0/0 FA/SP

ART

Lab/studio art courses require students to purchase materials with costs ranging from \$50 to \$150 per semester.

ART 101 Introduction to Art 3 cr.

This course provides an introductory knowledge and appreciation of art works from 30,000 BCE to the present. It introduces students to major art works and discusses major artistic styles. It demonstrates how these art works and styles reflect the artists who created them. It is intended to broaden appreciation of other cultures and their contribution to our common heritage.

3/0/0 FA/SP/SU

ART 110 Design I 3 cr.

This course in two-dimensional design explores creative composition and experimentation with the basic elements of line, shape, texture, and value as well as the principles used to organize these elements: balance, rhythm, emphasis, scale and proportion.

1/4/0 FA/SP Course fee charged

ART 112 Design II 3 cr.

This course introduces students to the theoretical knowledge of color theory with an emphasis on its practical applications. Students will study the use of color by artists from a number of disciplines and eras.

Prerequisite: ART 110

1/4/0 FA/SP Lab fee charged

ART 120 Drawing I 3 cr.

This course uses traditional drawing media and focuses on drawing from direct observation. Students will work from a number of subjects including: still life, landscape, and the human figure. Students will be introduced to a range of materials and techniques.

1/4/0 FA/SP Course fee charged

ART 121 Drawing II 3 cr.

This course builds on the skills students acquired in Drawing I. These skills include: drawing from observation, proficiency using basic materials and techniques and implementing compositional strategies. In Drawing II students will continue to develop these skills while also focusing on contemporary approaches to drawing and a greater emphasis placed on personal expression.

Prerequisite: ART 120

1/4/0 FA/SP Course fee charged

ART 122 Figure Drawing 3 cr.

This course builds on skills students acquired in Drawing I including drawing from direct observation as well as material and techniques and compositional strategies. Students will draw the figure from life, both nude and clothed. Students will produce both gestural sketches and sustained drawings in a variety of media.

1/4/0 Course fee charged

ART 135 3D Design 3 cr.

3D Design is an introduction to the materials, techniques and procedures for creating art works and designs in 3 dimensions. This course will prepare the student for more advanced courses in a number of disciplines including: sculpture, architecture and other design fields that work in 3 rather than 2 dimensions.

1/4/0 Course fee charged

ART 214 Portfolio Preparation 2 cr.

This course guides students in portfolio preparation through discussions of what constitutes a good portfolio and through studio work, particularly in drawing. It also presents information on how to select, prepare for, and secure a job in the field.

Prerequisite: ART 110, ART 112, ART 120

1/2/0 FA/SP

ART 220 Painting I 3 cr.

This course uses traditional painting media and techniques of application. It emphasizes developing individual skills and perceptions.

1/4/0 FA/SP Course fee charged

ART 221 Painting II 3 cr.

This course expands on the skills learned in ART 220 with an emphasis on exploring the media and additional development of painting skills and perceptions.

Prerequisite: ART 220

1/4/0 FA/SP Course fee charged

ART 222 Sculpture I 3 cr.

This course examines the organization of forms, volumes, and space as a basis of creative sculpture. It provides experiences with traditional and contemporary techniques and the use of materials such as clay, wood, and stone.

1/4/0 FA Course fee charged

ART 223 Sculpture II 3 cr.

This course expands on the knowledge and techniques taught in ART 222. It emphasizes sculptural techniques in various media.

Prerequisite: ART 222

1/4/0 Course fee charged

ART 224 Ceramics I 3 cr.

This course introduces traditional and contemporary hand-building techniques, such as pinch, coil and slab. Various skills in the preparation of clay glazes, firing, and kiln maintenance are demonstrated.

1/4/0 FA/SP Course fee charged

ART 250 Art History I 3 cr.

This course surveys the visual arts from prehistoric times through the Renaissance, emphasizing painting, sculpture, architecture, and the minor arts.

3/0/0 FA

ART 251 Art History II 3 cr.

This course surveys the visual arts from the Renaissance through the Modern era, emphasizing painting, sculpture, architecture, and the minor arts.

3/0/0 SP

ART 252 Introduction to Modern Art 3 cr.

This course introduces modern art, from its origins in the nineteenth century to the present. Students investigate paintings, sculpture, architecture, graphics, and photography created by modern masters such as Van Gogh, Picasso, Dali, and Warhol. A museum visit with a guided tour by the instructor may be included.

3/0/0 SP

**ART 296 Special Topics in Art—
Without Model I 3 cr.**

This course develops individual artistic style by having students work independently with the instructor on specific assignments.

Prerequisite: Permission

0/6/0 Course fee charged

BILINGUAL EDUCATION

Please note these courses are for the 3+1 Inclusive Education program only.

BLED 40405 Current Policy and Practice in English as a Second Language (ESL) and Bilingual Education 3 cr.

This course addresses foundational theories and areas of research related to the field of TESOL and bilingual education. Special emphasis is placed on the forces affecting students and policies related to second language schooling in state, national, and international contexts. Students will develop a reflective philosophy for educating English Language learners.

Prerequisite: Admission to 3+1 Inclusive Education Program; EDU 215

3/0/0 FA/SP

BIOLOGY**BIO 103 General Biology I 3 cr.**

This course considers the fundamental principles of biology with emphasis on the molecular and cellular basis of life. The topics covered include cell structure, function, mitosis, meiosis, genetics, evolution, and ecology.

Prerequisite: High school chemistry or CHE 107; High school biology or BIO 120 or equivalent; MTH 075 or equivalent; college reading and writing level.

3/0/0 FA/SP/SU

BIO 104 General Biology I Laboratory 1 cr.

This laboratory course requires students to apply their knowledge of introductory biology through experimentation, critical thinking, data analysis, and scientific writing.

Prerequisite or Corequisite: BIO 103

0/2/0 FA/SP/SU Course fee charged

BIO 107 General Biology II 3 cr.

This course is a comparative study of the kingdoms, including but not limited to morphology, physiology, organ systems, homeostasis, evolution, and taxonomy.

Prerequisite: BIO 103, BIO 104

3/0/0 FA/SP/SU

BIO 108 General Biology II Laboratory 1 cr.

This laboratory course examines the biodiversity of multicellular algae, plants, fungi, and animals. Students learn to use dichotomous keys for identification purposes and dissection skills to examine plant and animal anatomy. This course may not be taken prior to the General Biology II lecture.

Prerequisite: BIO 103, BIO 104, BIO 107

Corequisite: BIO 107

0/2/0 FA/SP/SU Course fee charged

BIO 110 Fundamentals of Anatomy and Physiology I 3 cr.

This course concentrates on cellular physiology and the following organ systems: integumentary, skeletal, muscular, nervous, and the special senses. This course is designed for allied health majors.

Prerequisite: High school biology required or BIO 120, BIO 121

3/0/0 FA/SP/SU

BIO 111 Fundamentals of Anatomy and Physiology I Laboratory 1 cr.

This laboratory course provides laboratory experiences that apply to the topics and concepts covered in the Fundamentals of Anatomy and Physiology I lecture. All dissections are performed via computer animation.

Prerequisite or Corequisite: BIO 110

0/3/0 FA/SP/SU Course fee charged

BIO 114 Fundamentals of Anatomy and Physiology II 3 cr.

This course concentrates on the following organ systems: cardiovascular, respiratory, urinary, digestive, endocrine, reproductive and genetics. This course is designed for allied health majors.

Prerequisite: BIO 110

3/0/0 FA/SP/SU

BIO 115 Fundamentals of Anatomy and Physiology II Laboratory 1 cr.

This laboratory course provides laboratory experiences that apply to the topics and concepts covered in the Fundamentals of Anatomy and Physiology II lecture. All dissections are performed via computer animation.

Prerequisite or Corequisite: BIO 114

0/3/0 FA/SP/SU Course fee charged

BIO 120 Basic Biology and Human Affairs 3 cr.

This course explores the scientific investigation of biological principles with emphasis on the cellular basis of life, plant and animal structure and function, genetics, reproduction, evolution, and ecology.

3/0/0 FA/SP/SU

BIO 121 Basic Biology and Human Affairs Laboratory 1 cr.

This course provides laboratory experiences that apply to the topics and concepts covered in Biology and Human Affairs.

Prerequisite or Corequisite: BIO 120

0/2/0 FA/SP/SU Course fee charged

BIO 130 Environmental Science 3 cr.

This course introduces current environmental problems. The scientific method is the tool for the analysis and possible solution to these problems. The course also covers the economic, ethical, and political aspects of these issues.

Prerequisite: High school chemistry or biology

Corequisite: BIO 131

3/0/0

BIO 131 Environmental Science Laboratory**1 cr.**

This course introduces students to laboratory and field techniques and equipment used in environmental science. Field trips acquaint students with methods of resource recovery and resource conservation.

Prerequisite: High school chemistry or biology

Corequisite: BIO 130

0/2/0 Course fee charged

BIO 155 Basic Microbiology**3 cr.**

This course discusses normal and abnormal microbiota of humans with emphasis on transmission, prevention, and control of pathogens. It is designed for students who have not taken BIO 103/104 (General Biology I), i.e., two-year nursing students and non-biology majors.

Prerequisite: High school chemistry or CHE 107; High school biology or BIO 120; MTH 075 or equivalent; college reading level; ENG 101

3/0/0 FA/SP/SU

BIO 156 Basic Microbiology Laboratory**1 cr.**

This course focuses on the identification of normal and abnormal microflora and parasites common to humans.

Prerequisite or Corequisite: BIO 155

0/3/0 FA/SP/SU Course fee charged

BIO 202 General Biology III: Biology Skills and Methods**4 cr**

This course focuses on the skills needed to succeed in upper-level biology courses. Components of the course will include: critical thinking, experimental design, hypothesis generation and testing, primary literature review, library research skills, peer review, basing opinions upon data collected in well-designed experiments, evaluation of data and other information for reliability, and scientific writing, data collection, analysis, and presentation. Laboratory activities will provide hands-on opportunities to apply these skills.

Prerequisite: BIO 107 / 108 with a minimum grade of "C" or better; CHE 115 / 116 with a minimum grade of "C" or better

3/3/0 FA/SP

BIO 204 General Biology IV: Global Ecology**4 cr.**

This course focuses on both the underlying theory and the application of the science of ecology, the branch of biology which investigates how organisms interact with each other and with their physical environment. Components of this course will include: utilizing proper experimental design, effective oral and written communication, critical evaluation of primary literature, synthesizing this material with core concepts covered in General Biology I – III, and providing, receiving, and responding appropriately to constructive criticism from peers. Laboratory activities will provide hands-on applications of concepts covered in lecture, as well as an independent research project.

Prerequisite: BIO 202 with a minimum grade of "C" or better

3/3/0 FA/SP Course fee charged

BIO 208 Human Anatomy and Physiology I**3 cr.**

This course covers the following organ systems in both the normal and diseased states: integumentary, skeletal, muscular, nervous, and special senses. This course is designed for biology majors or those intending to transfer to a four-year institution.

Prerequisite: BIO 107, BIO 108

3/0/0 FA/SP/SU

BIO 209 Human Anatomy and Physiology I Laboratory**1 cr.**

This course provides laboratory experiences that apply to the topics and concepts covered in Human Anatomy & Physiology I lecture. The laboratory experiences involve structural and functional concepts of mammalian systems. This laboratory course involves hands-on dissection activities.

Prerequisite or Corequisite: BIO 208

0/3/0 FA/SP/SU Course fee charged

BIO 212 Human Anatomy and Physiology II**3 cr.**

This course covers the following organ systems in both the normal and diseased states: cardiovascular, respiratory, urinary, digestive, endocrine, reproductive, and genetics. This course is designed for biology majors or those intending to transfer to a four-year institution.

Prerequisite: BIO 208, BIO 209

3/0/0 FA/SP/SU

BIO 213 Human Anatomy and Physiology II Laboratory**1 cr.**

This course provides laboratory experiences that apply to the topics and concepts covered in Human Anatomy & Physiology II lecture. The laboratory experiences involve structural and functional concepts of mammalian systems. This laboratory course involves hands-on dissection activities.

Prerequisite or Corequisite: BIO 212

0/3/0 FA/SP/SU Course fee charged

BIO 221 Microbiology**3 cr.**

This course is a study of the classification, structure, and fundamental aspects of microorganisms, including prokaryotes, protozoa, fungi, viruses, prions, and parasites. It includes discussions of the concepts of immunology and epidemiology.

Prerequisite: BIO 103, BIO 104

3/0/0 FA/SP

BIO 222 Microbiology Laboratory**1 cr.**

This course includes laboratory exercises that deal with aseptic procedures, microbiological techniques, isolation and identification of representative groups in the protista and the monera.

Prerequisite or Corequisite: BIO 221

0/3/0 FA/SP Course fee charged

BIO 330 Advanced Microbiology**4 cr.**

This course deals with the morphology and physiology of unicellular organisms, with emphasis upon bacteria. It studies culture methods, growth parameters, isolation, identification and characterization, and metabolism of microorganisms in the laboratory.

Prerequisite: BIO 204 with a minimum grade of "C" or better

3/3/0 FA/SP Course fee charged

BIO 335 Advanced Genetics**4 cr.**

This course will provide an in-depth background in all areas of Mendelian, molecular, population and evolutionary genetics. The students will learn how to use genetic tools in dissecting complex biological pathways, developmental processes and regulatory systems. Discussion of landmark genetic experiments will constitute the basis of an inquiry-based approach that will delineate the dynamic nature of modern genetics. The laboratory exercises are designed to put special emphasis on molecular biology techniques and the use of bioinformatics.

Prerequisite: BIO 204 with a minimum grade of "C" or better

3/3/0 FA/SP

BIOTECHNOLOGY**BIT 200 Principles of Biotechnology****4 cr.**

This combined lecture-laboratory course introduces the field of biotechnology. It discusses the history of the biopharmaceutical industry, the drug discovery process, and biopharmaceutical drugs currently on the market. Biotechnology applications such as gene therapy, reproductive cloning, genetic fingerprinting, recombinant DNA technology, and protein expression systems will also be discussed. The laboratory exercises will simulate working in a biotechnology lab and will include Good Manufacturing Practices, operation of standard equipment (such as PCR and gel electrophoresis instruments), preparing solutions, writing protocols, maintaining laboratory notebooks, and presenting experimental data.

Prerequisite: BIO 103, BIO 104

3/3/0 SP Course Fee Charged

BIT 210 Molecular Genetics**3 cr.**

This course describes recombinant DNA techniques, as well as molecular biology of genes. It discusses molecular cloning, plasmid design, transfection and protein expression systems. It provides laboratory experience with plasmid isolation, transformation, electrophoresis, and PCR.

Prerequisite: BIO 103, BIO 104

2/2/0 Course fee charged

BIT 214 Cell Culture and Microbial Fermentation 3 cr.

This course describes cell physiology and prepares students for work with recombinant protein expression systems. It specifically addresses bioreactor design, large-scale manufacturing and fermentation conditions. It includes laboratory exercises on aseptic cell culture techniques, cryopreservation, cell quantification and viability assays.

Prerequisite: BIO 103, BIO 104

2/2/0 Course fee charged

BIT 218 Cell Structure and Protein Purification 4 cr.

This course describes cell physiology and protein biochemistry and prepares students for work with recombinant protein expression systems. It introduces protein purification and characterization methods and specifically addresses bioreactor design, large-scale manufacturing, and fermentation conditions. It includes laboratory exercises on cell culture, cell quantification, cell viability, electrophoresis, Western blots, immunoblots, chromatography, and cryopreservation.

Prerequisite: BIT 210

3/3/0 SP Course Fee Charged

BIT 220 Protein Recovery and Purification 3 cr.

This course provides an understanding of protein biochemistry. It introduces purification methods and protein characterization. It provides laboratory experiences in electrophoresis, Western blots, microarrays and chromatography.

Prerequisite: BIO 103, BIO 104

2/2/0 Course fee charged

BUSINESS ADMINISTRATION

BUA 101 Business Functions in a Global Society 3 cr.

This course covers the business functions of any organization: marketing, operations, production, accounting, finance, distribution, investments, human resource management, banking, and information handling in our current global society.

3/0/0 FA/SP/SU

BUA 102 Principles of Management 3 cr.

This course focuses on the fundamental concepts in the management process of planning, organizing, leading and control which specifically relate to the ever-changing world in which managers work. It emphasizes decision-making and the leadership roles of the manager.

3/0/0 FA/SP/SU

BUA 108 Personal Finance and Money Management 3 cr.

This course introduces students to the complexities of modern personal money management and helps them avoid some problems in everyday living. It covers budgeting basics; intricacies of home ownership; income taxes and investments; and the wise use of insurance, wills, and trusts.

3/0/0 FA/SP/SU

BUA 205 Business Law I 3 cr.

This course is an introduction to legal principles and procedures. It includes an introduction to business law, ethics, crimes, torts, contracts, the uniform commercial code, sales, product liability and consumer protection.

3/0/0 FA/SP/SU

BUA 206 Business Law II 3 cr.

This course is an advanced examination of business law principles and procedures. It includes commercial paper, agency, partnership, corporations, rights of debtors and creditors, business regulation and the law of property.

Prerequisite: BUA 205

3/0/0

BUA 208 Labor-Management Relations 3 cr.

This course focuses on contemporary trends in employee-management relations. It examines the legal, social, and economic aspects of labor relations and the techniques and attitudes essential for development and leadership in employee-management relations.

3/0/0

BUA 220 Principles of Marketing 3 cr.

This course is a survey of the roles of the consumer, retailer, and wholesaler, as well as the functions of price, product, advertising, financing, and risk. It emphasizes the interaction of each of the marketing components and developing an awareness of the whole marketing process.

3/0/0 FA/SP/SU

BUA 221 Principles of Advertising 3 cr.

The management of advertising and its relationship to other components of the marketing mix is the focus of this course. Topics will cover: target markets, advertising objectives, the creative process, edit selection, advertising effectiveness, the role of ad agencies and societal issues.

3/0/0

BUA 222 Salesmanship 3 cr.

This course teaches the techniques of successful selling. It covers prospecting, the approach, sales presentation, answering objections, closing the sale. Students apply these techniques through in-class presentations.

3/0/0

BUA 225 Human Relations in Management 3 cr.

This course examines human behavior and its effect on management. It focuses on individual and group behavior and interpersonal relationships, including motivation and organizational leadership.

Prerequisite: BUA 102

3/0/0

BUA 230 Small Business Management 3 cr.

This course gives a thorough understanding of small business operations. It focuses on the relationship of small business to the American economy, short-and long-range small business ownership, wholesaling, retailing, service, and franchised operations.

3/0/0 FA/SP/SU

BUA 234 Management Information Systems 3 cr.

This course is designed to introduce students to contemporary information systems and demonstrate how these systems are used throughout organizations. The focus will be on the key components of information systems - people, software, hardware, data, and telecommunications, and how these components can be integrated and managed to create competitive advantage. In addition to surveying the topic of information systems, students will gain hands-on experience with business software tools commonly applied to business data analysis and database management as well as business process execution.

Prerequisite: Admission to 3+1 Business

Administration Program; MTH 112 or MTH 118 or MTH 130 or MTH 142

3/0/0 FA/SP

BUA 300 Organizational Behavior 3 cr.

Organizational behavior (OB) is an interdisciplinary field drawing from numerous disciplines including psychology, sociology, economics, organization theory, statistics, etc. This OB course will focus on theories, research, and concepts used in analyzing, understanding, and managing human behavior in organizations. Topics will include individual behavior, personality, perception, emotion, decision-making, group behavior, communication, power and influence, leadership, conflict and negotiation, diversity, and culture.

Prerequisite: Admission to 3+1 Business Administration Program

3/0/0 FA

BUA 301 Directed Research in Business 3 cr.

This course focuses on the current issues and trends in business as found in the business media. The course is designed to allow students to explore areas of personal interest through the collection of research and the presentation of such material in written and spoken formats.

Prerequisite: Admission to 3+1 Business

Administration Program; BUA 220; ENG 102

3/0/0 FA/SP

BUA 302 Human Resource Management 3 cr.

This course is an examination of human resource management and administrative functions, such as policies; organization; job analysis; recruitment; appraisal; development; promotion; discipline; communication; wage and salary; incentives system; global human resources management (HRM), and career development.

Prerequisite: Admission to 3+1 Business Administration Program

3/0/0 SP

BUA 304 Organizational Change & Development 3 cr.

This course studies factors that facilitate or inhibit organizational change as well as research findings and theory which deal with methods for diagnosing organizational climate and selecting and utilizing techniques for bringing about change and overcoming resistance to change. It also analyzes and evaluates roles and strategies used by change agents to initiate structure and direct organizational change.

Prerequisite: Admission to 3+1 Business Administration Program; BUA 300

3/0/0 SP

BUA 361 Supervised Internship 3 cr.

The supervised internship course is offered for students majoring in the 3+1 Business Administration degree program. The course is designed to provide an opportunity for meaningful career related work experience for students. It is expected that the student will develop an awareness of the business climate and a better understanding of the internal and external environments, which guide decision making within an organization. During this work experience the student under the guidance of the assigned faculty, will be assigned projects related to their work activity and meet regularly with the faculty and other students enrolled in the program. Students must complete 150 hours of field experience in a professional setting and all assigned coursework.

Prerequisite: Admission to 3+1 Business Administration Program

1/0/10 SP

BUA 375 Business Logistics 3 cr.

This course focuses on the logistics of physical distribution and supply chains. Topics include traffic routing, inventory analysis and control, warehousing, location of production and storage facilities, and transportation. The concepts in this course are drawn from the textbook and are intended to present to the students' conceptual frameworks and managerial techniques that are appropriate to the management of logistics.

Prerequisite: Admission to 3+1 Business Administration Program; BUA 220; ENG 102

3/0/0 FA/SP

CANCER REGISTRY**MCR 101 Cancer Registry Structure and Management 3 cr.**

An introduction to the cancer registry and the cancer registrar profession. It will include the types of registries; central and hospital based legal and ethical standards, cancer registry management functions and operations. Emphasis will be placed on standard setting organizations.

Prerequisite: Admission to the Cancer Registry Program

3/0/0

MCR 104 Cancer Registry Operations 3 cr.

Introduction to disease registry files, principles of abstracting, data set identification and case ascertainment. Will focus on the Commission on Cancer, Cancer Program Standards as well as cancer committee, cancer conferences and quality monitoring.

Prerequisite: Admission to the Cancer Registry Program

3/0/0

MCR 111 Cancer Registry Disease Coding and Staging 3 cr.

This course will define cancer and provide an overview of its natural disease course. It will differentiate between benign and malignant tumors and discuss the main characteristics of cancer. The ICD-0-3 coding system will be introduced as well as instruction and practice in the usage of the AJCC, Summary Staging and Collaborative Staging manuals. This course will also provide guidance on coding diagnosis, sequencing and evaluating the extent of the disease.

Prerequisite: MCR 101, MCR 104

3/0/0

MCR 114 Oncology and Coding 3 cr.

This course will give an in-depth review of various cancer treatment options and plans, palliative options and clinical trials process available to cancer patients. It also acclimates one to the coding guidelines for surgery, radiation, chemotherapy, immunotherapy, hormonal, alternative, palliative and other treatment coding. Upon completion students should be able to code oncology treatments and procedures using appropriate standard setter guidelines.

Prerequisite: MCR 101, MCR 104

3/0/0

MCR 201 Abstracting Methods 3 cr.

Students will learn to identify appropriate clinical documentation from the medical record for capture in the abstract consistent with cancer registry regulatory requirements. Various case studies and registry systems will be utilized to review the medical record and how to properly document it within an abstract to support the cancer information within the medical records.

Prerequisite: MCR 111, MCR 114

3/0/0

MCR 204 Follow Up, Data Quality and Utilization 3 cr.

Students will be introduced to cancer patient follow-up activities with emphasis being placed on patient confidentiality and ethical issues. This course will also introduce cancer statistics, descriptive and analytic epidemiology, cancer surveillance, annual reporting preparation, presentation of cancer data and special studies.

Prerequisite: MCR 111, MCR 114

3/0/0

MCR 211 Multiple Primary Hematopoietics 3 cr.

This course will cover general and site-specific coding rules for determining the number of primary diagnoses in the presence of multiple tumors and/or histologic types. It will also cover rules governing the abstracting and coding of hematopoietic and lymphoid neoplasms, including the use of the SEER Hematopoietic and Lymphoid Neoplasm Database.

Prerequisite: MCR 201, MCR 204

3/0/0

MCR 220 Cancer Registry Clinical I 2 cr.

The professional practice experience is the hands-on application of the Management of Cancer Registry (MCR) program coursework. The clinical practice will provide the student with experience in the technical aspects of cancer registry operations and compliment the knowledge gained during the academic portion of their education. Students will be required to have a complete history and physical with immunizations as specified; obtain liability insurance for the duration of the clinical practice; and have health insurance for the duration of the clinical practice. When applicable, drug testing and a criminal history background check may be required. The college is not responsible for any cost related to the above requirements. A copy of above must be submitted to the program prior to any clinical hours being performed.

Prerequisite: MCR 201, MCR 204

Corequisite: MCR 211

0/0/6

MCR 221 Cancer Registry Clinical II 2 cr.

This is a continuation of the MCR 220 course. The professional practice experience is the hands-on application of the Management of Cancer Registry (MCR) program coursework. The clinical practice will provide the student with experience in the technical aspects of cancer registry operations and complement the knowledge gained during the academic portion of their education. Students will be required to have a complete history and physical with immunizations as specified; obtain liability insurance for the duration of the clinical practice; and have health insurance for the duration of the clinical practice. When applicable, drug testing and criminal history background check may be required. The college is not responsible for any cost related to the above requirements. A copy of above must be submitted to the program prior to any clinical hours being performed.

Prerequisite: MCR 201, MCR 204

Corequisite: MCR 211, MCR 220

0/0/6 Course fee charged

CHEMISTRY

CHE 107 Chemistry 3 cr.

This is an introductory course that covers the fundamental laws, terms, and mathematics of general chemistry. It includes treatment of nomenclature, stoichiometry, solution chemistry, and gas laws.

Prerequisite: High school algebra I or MTH 075

Corequisite: CHE 108

3/0/0 FA/SP/SU

CHE 108 Chemistry Laboratory 1 cr.

This course provides laboratory experiences that illustrate important theories and concepts in basic chemistry. It stresses standard laboratory techniques, scientific equipment and its proper use, and laboratory safety.

Prerequisite: High school algebra I or MTH 075

Corequisite: CHE 107

0/2/0 FA/SP/SU Course fee charged

CHE 115 General Chemistry I 3 cr.

This course is a systematic study of fundamental principles and concepts including: dimensional analysis; atomic structure; periodicity; chemical bonding; thermochemical equations; stoichiometry of chemical reactions; the liquid, solid, and gaseous states; and solution chemistry.

Prerequisite: High school chemistry or CHE 107/108 and MTH 012 or equivalent skills

3/0/0 FA/SP/SU

CHE 116 General Chemistry I Laboratory 1 cr.

This course provides laboratory experiences that apply to the topics and concepts covered in General Chemistry I.

Prerequisite or Corequisite: CHE 115

0/3/0 FA/SP/SU Course fee charged

CHE 117 General Chemistry II 3 cr.

This course is a systematic study of thermodynamics, kinetics; equilibrium; ionic equilibria; electrochemistry; coordination compounds; nuclear chemistry; and an introduction to organic chemistry.

Prerequisite: CHE 115, CHE 116 and MTH 112 or MTH 130

3/0/0 FA/SP/SU

CHE 118 General Chemistry II Laboratory 1 cr.

This course provides laboratory experiences that apply to the topics and concepts covered in General Chemistry II.

Prerequisite or Corequisite: CHE 117

0/3/0 FA/SP/SU Course fee charged

CHE 210 Nutrition 3 cr.

This course examines the basic concepts in the science of human nutrition and their relationship to the needs of man.

Prerequisite: CHE 107 or CHE 115 or high school chemistry with a grade of "B" or better or permission

3/0/0 FA/SP/SU

CHE 240 Organic Chemistry I 3 cr.

This course presents the fundamental principles of organic chemistry. It includes basic techniques of organic compound synthesis; structure, properties, and nomenclature of organic compounds; the addition, substitution, elimination and oxidation-reduction reactions of organic compounds; reaction mechanisms; infrared spectroscopy; and a brief introduction to mass spectrometry.

Prerequisite: CHE 117, CHE 118

Corequisite: CHE 241

3/0/0 FA/SP/SU

CHE 241 Organic Chemistry I Laboratory 1 cr.

This course provides laboratory experiences that apply to the topics and concepts covered in Organic Chemistry I.

Prerequisite or Corequisite: CHE 240

0/3/0 FA/SP/SU Course fee charged

CHE 242 Organic Chemistry II 3 cr.

This course is a continuation of Organic Chemistry I. The topics covered in this course include: structure, properties and nomenclature of organic compounds; the complex synthesis of organic compounds; electrophilic, aromatic, free radical, nucleophilic substitution reactions and their mechanisms; NMR spectroscopy; and an introduction to biochemistry.

Prerequisite: CHE 240, CHE 241

Corequisite: CHE 243

3/0/0 FA/SP/SU

CHE 243 Organic Chemistry II Laboratory 1 cr.

This course provides laboratory experiences that apply to the topics and concepts covered in Organic Chemistry II.

Prerequisite or Corequisite: CHE 242

0/3/0 FA/SP/SU Course fee charged

CHINESE

CHI 101 Elementary Chinese I 3 cr.

This course gives students the fundamentals they need to begin studying Chinese including the language's syllabic structure, "pinyin" (the official Romanization system for Standard Chinese), and pronunciation, radicals, and stroke orders for a solid foundation of character recognition and writing. Students will also learn vocabulary and grammar points related to the following topics: greetings, family, dates and time, hobbies, visiting friends, and making appointments. In addition to a focus on Chinese language foundation and communicative abilities and skills, and cultural literacy, compare and contrast activities will promote students' awareness of cultural diversity in a world of rapid globalization.

3/0/0 FA

CHI 102 Elementary Chinese II 3 cr.

This course further establishes skills in reading, writing, listening, and speaking Chinese by continuing to explore vocabulary and grammar points related to these topics: school life, shopping, transportation, weather, and dining. Students' pronunciation will be refined and improved. Chinese culture and traditions are highlighted within each topic and contemporary China is introduced.

Prerequisite: CHI 101

3/0/0 FA

CINEMA

CIN 109 American Cinema 3 cr.

This course examines how business savvy, creativity, and technical skills drive the film industry. Studio executives, directors, cinematographers, and others share their thought and experiences. Clips from over 300 movies demonstrate why movies continue to captivate audiences.

3/0/0

COMMUNICATIONS

COM 103 Media Operations 3 cr.

This course prepares students to work in radio and television production. It emphasizes the physical use of and technical requirements needed to operate the range of equipment used to produce radio, television, and video programs.

3/0/0

COM 105 Writing for Mass Media 3 cr.

This course introduces writing for radio and television. It includes the narrative interview, personality sketches, and documentary writing. Students write narratives, speeches, reports, public service announcements, press advisories, and news releases.

Prerequisite: ENG 101

3/0/0

COM 120 Radio Production 3 cr.

This course teaches basic studio operations and editing for broadcast applications. Students produce commercials and public service announcements for radio. A major objective is creating a picture in the mind's eye with voice, music, sound effects, and other elements.
2/2/0 Course fee charged

COM 200 Business and Professional Communication 3 cr.

Effective communication skills are a key factor in any professional environment. This course will identify and explain the communication process and allow the learner to apply these concepts to business and professional examples. Students will be able to understand, analyze, and evaluate messages in a professional context. Students will participate in business presentations that include, but are not limited to, interviews, technical presentations, persuasive presentations, and sales presentations.

Prerequisite: SPE 102

3/0/0 FA/SP

COM 202 Television Production I 3 cr.

This course introduces the theory and operation of the modern television studio and control equipment for broadcast and closed circuit systems. It covers types of programming; production fundamentals; script analysis and blocking; lighting; sets; sound; graphics; and optics. Additional studio hours required
2/2/0 Course fee charged

COM 212 Introduction to Digital and Emerging Media 3 cr.

This course introduces students to the study of new media theory and explores the impact of 21st century developments on the communications landscape. In particular, it will consider how rapid and accelerating developments in digital technologies challenge us to rethink the very nature of communication. Students will define and analyze digital platforms and devices and the profound way they are affecting groups, institutions, businesses, communities, and governments communication. Through integrated coursework, students will learn skills to design and create graphics, audio, video, and other content for websites, apps, gaming, and emerging new media technologies.

3/0/0 FA/SP Course fee charged

COM 220 Sports Media 3 cr.

This course explores the use of various media in reporting, writing stories and press releases, and editing and production it applies to sports. The history of sports writing and sports broadcasting and the state of these fields today will be explored. Students will focus on the current demands and necessary skill needed for sports media in print, broadcast, and digital domains.

Prerequisite: ENG 102

3/0/0

COM 291 Communication Art Special Projects 1 cr.

Students conduct advanced study in a selected area.
0/2/0

COM 294 Special Projects in Communication Arts I 3 cr.

Students conduct advanced study in a selected area of Communication Arts. Each student's project must include a statement of objectives, literature research, project plan, and completed media production project.

Prerequisite: COM 120 or COM 202

0/6/0 Course fee charged

COM 301 Writing, Research, and Technology 3 cr.

This course will focus on modern communication writing practices in the digital age. Students will be asked to explore a variety of writing samples for truth and accuracy. Students will explore meaning-making, circulation practices, and the ethical ramifications of writing for various audiences.

Prerequisite: ENG 102

3/0/0 FA/SP

COMPUTED TOMOGRAPHY**CTP 110 Introduction to Computed Tomography 3 cr.**

Content provides a foundation in ethics and law related to the practice of medical imaging. Basic understanding of the operation of Computed Tomography, CT, devices will be explained. Content is designed to introduce concepts related to the disease process. Content will provide the basic concepts of patient care, including physical and psychological needs of the patient and family. Routine and emergency care procedures are described. Basic concepts of pharmacology and venipuncture of contrast media are provided.

Prerequisite: ARRT, RT(R), ARRT, RT (NM)

3/0/0

CTP 120 CT Sectional Anatomy and Pathology 3 cr.

This course begins with a review of gross anatomy. Gross anatomical structures are located and identified in axial, sagittal, coronal and orthogonal planes. Illustrations of anatomical images will be compared with Computed Tomography, CT, and MR images in the same imaging planes. The characteristic appearance of each anatomical structure as it appears on CT, MR and US will be stressed.

Prerequisite: CTP 110

3/0/0

CTP 130 CT Procedures 3 cr.

Content provides detailed coverage of procedure for CT imaging of adults and pediatric patients. Procedures include but are not limited to, indications for the procedure, patient education, preparation, orientation and positioning, patient history and assessment, contrast media usage, scout images, scan parameters and archiving of images. CT procedures will be taught for differentiation of specific structures, patient symptomology and pathology. CT images studies will be reviewed for quality, and anatomy and pathology.

Prerequisite: CTP 120

3/0/0

CTP 140 CT Physics and Equipment 3 cr.

Content is designed to impart understanding of the physical principles and instrumentation involved in computed tomography. The historical development and evolution of computed tomography is reviewed. Physics topics include x- radiation used in forming the image, beam attenuation, linear attenuation coefficients, tissue characterizes and Hounsfield numbers. Data acquisition and manipulation techniques, image reconstruction algorithms will be explained. CT systems and operations will be explored with full coverage of radiographic tube configuration, collimator design and function, detector types, characteristic and function and the CT computer and array processor. CT image processing and display will be examined.

Prerequisite: CTP 130

3/0/0

CTP 150 CT Clinical Education I 3 cr.

Clinical education consists of 135 hours in an affiliate hospital or imaging center. It is designed to enable the student to achieve the competencies necessary to meet the ARRT eligibility requirements.

Prerequisite: CPT 140

0/0/9 Course fee charged

CTP 151 CT Clinical Education II 3 cr.

Clinical education consists of 135 hours in an affiliate hospital or imaging center. It is designed to enable the student to achieve the competencies necessary to meet the ARRT eligibility requirements. This course is a continuation, if the clinical requirements are not completed in the Fall semester.

Prerequisite: ARRT, RT(R), ARRT, RT (NM)

Corequisite: CTP 110, CTP 120, CTP 130, CTP 140

0/0/9 Course fee charged

CTP 152 CT Clinical Education III 2 cr.

Clinical education consists of 90 hours in an affiliate hospital or imaging center. It is designed to enable the student to achieve the competencies necessary to meet the ARRT eligibility requirements. This course is a continuation, if the clinical requirements are not completed in the Fall and Spring semesters.

Prerequisite: ARRT, RT(R), ARRT, RT (NM)

Corequisite: CTP 110, CTP 120, CTP 130, CTP 140

0/0/6 Course fee charged

COMPUTER INFORMATION SYSTEMS

CIS 101 Computing Essentials 3 cr.

This course is an overview of computer hardware, software, computer applications networking technology concepts, data representation and processing, design of algorithms, systems, and procedures; web design concepts and computer programming languages. It presents computer basics, the utilization of computers in our society, and the fundamentals of problem solving and programming in a high-level language.

2/2/0 FA/SP/SU Course fee charged

CIS 111 Programming Fundamentals 3 cr.

This course introduces the fundamental concepts of structured programming and how to use a computer to solve problems. The topics covered in this course include software development methodology, algorithms, flowcharts, pseudocodes, data types, control structures, loops, functions, and arrays. It introduces and emphasizes the processes of running, testing, and debugging programs.

Prerequisite: MTH 012 or equivalent skills

3/0/0 FA/SP Course fee charged

CIS 132 MS Access Techniques and Programming 3 cr.

This course covers a review of basic Access operations; relational data base concepts and operations; complex query design, custom form and report design; macros; and modules. Integrating Access with other Windows applications and an introduction to Visual Basic is also covered. It emphasizes specific techniques as well as concepts in data base design, data base programming, and typical data base applications.

Prerequisite: CIS 161

3/0/0 Course fee charged

CIS 138 Introduction to Operating Systems 4 cr.

This course introduces students to the basics of modern operating systems. Students learn concepts, commands and operations, in popular Operating systems, such as Microsoft Windows, Linux and Apple (Mac) operating systems. The lab components provide hands-on skills in the following areas: operations and commands, accessing and installing application software, managing files and folders, controlling and configuring printers and other hardware, controlling and configuring the user environment, security configuration, troubleshooting and disaster recovery.

Recommended Prerequisite: Prior microcomputer experience

3/2/0 FA/SP/SU Course fee charged

CIS 139 Introduction to Python 3 cr.

This course introduces programming and developing Graphical User Interfaces (GUIs) using Python. Students design, code, test, debug, and run applications using variables, decision and control structures, functions, files, lists, classes and objects. It emphasizes the fundamentals of programming, problem solving, software engineering techniques, and algorithm design and development. The lab component provides hands-on programming experience for beginning programmers and computer science students.

3/0/0

CIS 141 Microsoft Office Fundamentals 2 cr.

This course presents the concepts and operations of the main components of Microsoft Office: Word, Excel, and PowerPoint. Students are taught to apply these office applications to a wide range of business and personal problems. Students also will learn techniques to integrate MS Applications into systems by linking, embedding, and publishing web contents. Instructions on the use of the internet as alternative to traditional classroom learning will also be taught, as well as, the skills and strategies for finding and retrieving information on the Internet.

2/0/0 FA/SP/SU Course fee charged

CIS 150 Networking Fundamentals 4 cr.

This course emphasizes the knowledge and application of basic concepts of networking technology. It presents the OSI model, industry standards, network topologies, IP addressing, subnet masking, networking components, and basic network design. Students will gain hands-on experience in basic network infrastructure design, troubleshooting, and testing. It will provide students with the necessary skills to pass the COMPITA Network & Certification exam.

Prerequisite: CIS 101 or CIS 138 or CSE 110

3/2/0 FA/SP Course fee charged

CIS 161 Computer Applications 3 cr.

This course presents the concepts and operations of the main components of Microsoft Office: Word, Excel and Powerpoint. Students are taught to apply these office applications to a range of business and personal problems. Students also learn application in software integration, such as: linking, embedding, and web publishing. Instructions on the use of the Internet as alternative to traditional classroom learning will also be taught, as well as the skills and strategies for finding and retrieving information on the Internet.

3/0/0 FA/SP/SU Course fee charged

CIS 165 Network and Systems Administration 4 cr.

This course provides an advanced knowledge of networking as well as related equipment and terminologies. The course will cover local area network, wide area network, managing enterprise level networks using Active Directory and remote access. Advanced network management and environment customization techniques will be explored through the hands on lab component, which will include creating users/groups, managing file permissions, configuring server roles, using group policies to configure and secure the network, routine system maintenance and troubleshooting. It will provide the necessary skills to pass the Microsoft MCSA Server 2012 70-410 certification exam.

Prerequisite: CIS 101 or CIS 138

Corequisite: CIS 150

3/2/0 FA/SP Course fee charged

CIS 200 Fundamentals of Network Security 4 cr.

This course is an introduction to network security focusing on the overall security processes with particular emphasis on hands on skills in the following areas: security policy design and management, security technologies; products & solutions; firewall and secure router design; installation; configuration; and maintenance; AAA implementation using routers and VPN implementation using routers.

Prerequisite: CIS 150 or CIS 165 or permission

Corequisite: CIS 150 or CIS 165

3/2/0 FA/SP Course fee charged

CIS 207 Introduction to Computer Forensics 3 cr.

This introductory course focuses on computer forensics principles and an exposure to computer technology concepts from operating systems and file types to data transmission and PDAs. Students are introduced to the foundation of electronic evidence collection and handling, as well as the role of evidence in detecting and prosecuting computer crimes; cyberterrorism; traditional and violent crimes; incident response; civil cases; fraud and information security verification. Demonstrations and hands-on investigations familiarize students with a number of relevant investigative techniques.

Prerequisite: CIS 138 or CIS 150 or permission

Corequisite: CIS 138 or CIS 150

2/2/0 FA/SP Course fee charged

CIS 208 Introduction to Cybersecurity 3 cr.

This course introduces students to the field of cybersecurity. Students are introduced to various security topics, including: Internet security, spyware, vulnerability, virus attacks, network defense, passwords, firewalls, intrusion detection, risk management, disaster preparedness/recovery, privacy, policies and procedures, as well as mitigation strategies to potential cyber threats. Lectures and projects would be utilized to promote understanding of cyber threats and security. It will provide students with the necessary skills to pass the COMPTIA CSA+ certification exam.

Prerequisite: CIS 165, CIS 200

Corequisite: CIS 165, CIS 200

2/2/0 FA/SP Course fee charged

CIS 215 Penetration Testing Fundamentals 3 cr.

This course is an introduction to penetration testing. It focuses on penetration testing process, methodologies, and vulnerability assessment amongst other topics. Students will be introduced to various real world penetration testing tools and procedure through hands-on lab activities. Discussion topics include: vulnerability assessment, exploitation, wired and wireless networking intrusion, spoofing and scanning.

Prerequisite or Corequisite: CIS 200

2/2/0 FA/SP

CIS 218 Ethical Hacking Fundamentals 3 cr.

This course introduces ethical hacking, security testing and network defense/counter measures. Students who have a good knowledge of computer and networking learn how to protect networks by using an attacker's technique to compromise network systems security. Hands-on lab activities enable students to learn how to protect network/systems by using the tools and methods used by hackers to break into networks/systems. Discussion topics include: hacker methodology and tools, how hackers operate, as well as setting up strong countermeasures to protect networks/systems.

Prerequisite or Corequisite: CIS 215

2/2/0 FA/SP

CIS 230 Systems Analysis and Design 3 cr.

This course covers detailed analysis of the Systems Development Life Cycle (SDLC) from a business process perspective. Emphasis is placed on analyses of business cases and design of basic database systems by incorporating problem-solving techniques and project management, development and implementation of business computer information systems. The course also utilizes hands-on team projects to demonstrate how business systems are developed in the real world. The course provides skills in system development and management of system development projects.

Prerequisite: CIS 132 or CIS 139 or CSE 110 or permission

2/2/0 FA/SP/SU Course fee charged

COMPUTER SCIENCE**CSE 110 Introduction to Computer Science I 4 cr.**

This course introduces the fundamental concepts of programming and problem solving. It focuses on simple data types, control structures, and introduction to array and string data structures and algorithms, as well as debugging techniques and the social implications of computing. It emphasizes good software engineering principles and developing fundamental programming skills in the context of a language that supports the object-oriented paradigm. The lab component provides hands-on programming experience that is vital for beginning programmers and computer science students.

Corequisite: MTH 130 or MTH 142

3/2/0 FA/SP/SU Course fee charged

CSE 112 Introduction to Computer Science II 4 cr.

This course builds upon the work completed in CSE 110 to introduce the fundamental concepts of data structures and complex algorithms. It focuses on recursion, the underlying philosophy of object-oriented programming, fundamental data structures (i.e. queues, stacks, linked lists, trees and graphs), sorting and searching techniques, recursion and the basics of algorithmic analysis. Additional lecture time will be devoted to the Standard Template Library and its components. The lab components provide hands-on programming experience that is vital for beginning programmers and computer science students.

Prerequisite: CSE 110

3/2/0 FA/SP/SU Course fee charged

CSE 114 Object Oriented Programming and Data Abstraction 4 cr.

This course is an introduction to Object-Oriented Programming and to the methodology of programming from an object-oriented perspective. Through the study of object design, this course also introduces the basics of human-computer interfaces, graphics, with an emphasis on software engineering. A second operating system/programming platform is introduced.

Prerequisite: CSE 110

4/0/0

CSE 135 Computer Programming and Problem Solving 3 cr.

This is an introductory course in programming in a high-level language and its use in solving engineering, business, and scientific programs. It includes data types, control structures, functions, arrays, files, and the mechanics of running, testing, and debugging. It emphasizes the fundamentals of problem solving, software engineering techniques, and algorithm design. The lab component provides hands-on programming experience for beginning programmers and computer science students.

Prerequisite(s): MTH 130 or MTH 142

2/2/0 FA/SP Course fee charged

CSE 151 Introduction to JAVA 4 cr.

This course provides an introduction to JAVA and Object Oriented programming. It focuses on simple data types; control structures; an introduction to array and string data structures; algorithms; debugging techniques; and the social implications of computing. It emphasizes good software engineering principles and developing fundamental programming skills in the context of a language that supports the object-oriented paradigm. The lab component provides hand-on programming experience that is vital for beginning programmers and computer science students.

Prerequisite: CIS 101 or CSE 110 or higher; MTH 012 or equivalent skills

3/2/0 Course fee charged

CSE 210 Machine and Assembler Language Programming 3 cr.

This course focuses on the organization of digital computers, buses, registers, processors, I/O, memory systems, and paged memory. It also covers instruction sets and execution, addressing modes, and assembly language programming, including subroutines, co-routines, interrupts, and traps.

Prerequisite: CSE 110

3/0/0 Course fee charged

CSE 213 Database Systems 3 cr.

This course serves as an introduction to the theory of database design and database programming. It focuses on data models (E/R, relational, and object oriented), dependencies, constraints, normalization, relational algebra, and SQL.

Prerequisite: MTH 130 or MTH 141

3/0/0 Course fee charged

CSE 215 Programming Languages 3 cr.

This course introduces the conceptual study of programming language syntax, semantics, and implementation. It includes language definition structure; data types and structures; control structures; data flow; declarative forms; functional forms; concurrency; objects; scoping and binding; inheritance; and interpretation.

Prerequisite: CSE 112

2/2/0 FA/SP

CSE 220 Linux + 3 cr.

This course is an introduction to the Linux operating system with an emphasis on installation, configuration, maintenance, networking and security. Demonstration and hands-on experimentation will provide the student the necessary skills to pass the COMP/TIA Linux+ certification exam.

Prerequisite: CIS 150, CSE 110 or permission

2/2/0

CSE 222 Advanced Programming Workshop I

2 cr.

This is an advanced course in programming languages, integrated development environments (IDE's), application programming interfaces (API's), software packages, libraries, and programming technologies. The workshop nature of the course requires hands-on solutions in a high-level language (other than Java), including requirements definition & decomposition, IPO development, and algorithm design, development, and implementation.

Prerequisite: CSE 112 or CSE 135

0/4/0 FA/SP Course fee charged

CSE 223 Advanced Programming Workshop II

2 cr.

This is an advanced course in programming languages, integrated development environments (IDE's), application programming interfaces (API's), software packages, libraries, and programming technologies. The workshop nature of the course requires hands-on solutions in a high-level language (Java), including requirements definition & decomposition, IPO development, and algorithm design, development, and implementation.

Prerequisite: CSE 112 or CSE 135

0/4/0 SP Course fee charged

CSE 225 Computer Organization

3 cr.

This course introduces the computer system structure, operation, and organization, and digital systems of numbers, Boolean algebra and logic gates, combinational and sequential logic, and registers and counters. It emphasizes the representation of information, computer system logic, circuit analysis and design, processor architecture, and input/output.

Prerequisite: CSE 210

3/0/0 SP

CSE 334 Applied Database Technologies

3 cr.

This course covers the practical aspects of relational database systems, including database modeling using ER and EER diagrams, physical database design, the relational database query language SQL, normal forms, database integrity and transaction management. Includes a project involving an RDBMS.

Prerequisite or Corequisite: CSE 222 or CSE 223

2/2/0 FA/SP Course fee charged

CONSTRUCTION MANAGEMENT

CON 101 Building Materials and Construction Methods

3 cr.

This introductory course provides an understanding of the fundamentals of residential and commercial construction materials and practices. Students gain an understanding of the types of construction, structural design requirements, and the properties of common construction materials such as wood, concrete, iron, and steel.

Prerequisite: MTH 075 or equivalent, college reading level and writing level

3/0/0 FA

CON 102 Building Materials and Construction Methods II

3 cr.

This course is a second level course covering the advanced topics of building materials and construction methods in residential and commercial construction applications. Building on the competencies of CON 101, students will continue to develop their knowledge base of the most common building materials in use and their interrelationship in a construction project.

Prerequisite: CON 101

3/0/0 SP

CON 220 Understanding Construction Drawings

3 cr.

This course is an introductory course covering the fundamentals of interpreting construction drawings. Students will learn how to examine a variety of construction documents, including drawings, details, graphic standards, sections, and quantities for competitive bidding of projects.

Prerequisite: CON 101

3/0/0

COUNSELING

COUN 25415 Trauma Informed Practices to Promote Social Emotional Development in Educational Settings

3 cr.

The purpose of this course is to provide future educators, professionals, and administrators in P-12 and higher educational settings with an overview of trauma informed practices in educational settings that support the social emotional development of all students. Students will explore the core tenets of trauma informed practices that includes social emotional development, and how to address systemically through whole school initiatives, individual classrooms, and across content areas. Students will also learn how to implement and evaluate these practices.

Prerequisite: Admission to 3+1 Inclusive Education Program

3/0/0 FA

CRIMINAL JUSTICE

CRJ 101 Introduction to Criminal Justice

3 cr.

This course is an introduction to the philosophy and development of the system for dealing with social deviancy through criminal justice. It focuses on the concepts, agencies, and institutions involved in the administration of criminal justice.

3/0/0 FA/SP

CRJ 102 Police Operations and Procedures

3 cr.

This course is a survey of the role of traffic, investigative, juvenile, vice, and other specialized units within law enforcement agencies. It focuses on the line activities of law enforcement agencies with emphasis on the patrol function and the prevention of crime.

3/0/0 FA/SP

CRJ 103 Introduction to the Correctional System

3 cr.

This course is an introduction to the entire correctional system from law enforcement through the administration of justice, probation, parole, prison system, and correctional institutions.

3/0/0 FA/SP

CRJ 106 Introduction to Court Systems

3 cr.

This course is an overview of the criminal courts and their role within the criminal justice system. It examines some civil aspects of the court system and their interconnection with the criminal courts. It analyzes historical and current data regarding the structure and theory of criminal courts and investigates and questions criminal procedure and the dynamics of criminal court processes.

3/0/0

CRJ 111 Criminal Law

3 cr.

This course examines fundamental provisions and underlying assumptions of criminal law. It focuses on principles and doctrines, crimes against the person, crimes against property and habitation, and crimes against public order.

Prerequisite: CRJ 101

3/0/0 FA/SP

CRJ 113 Criminal Investigation

3 cr.

This course is a survey of the fundamentals of criminal investigation theory and history. The student follows evidence from the crime scene to the courtroom with emphasis on techniques appropriate to specific crimes.

Prerequisites: CRJ 101 and CRJ 102

3/0/0 FA/SP

CRJ 114 Criminalistics

3 cr.

This course focuses on the collection, identification, preservation, and transportation of physical evidence. It emphasizes examination of physical evidence within the investigator's resources and demonstration of laboratory criminalistics.

Prerequisites: CRJ 101 and CRJ 102

Corequisite/Prerequisite: CRJ 113

3/0/0 FA/SP

CRJ 203 Legal Rights of the Convicted 3 cr.

This course examines the legal rights of the convicted offender in the criminal justice system. It focuses on the legal aspects of conviction and sentencing together with the legal rights of probationers, prison inmates, and parolees.

3/0/0

CRJ 207 Community Corrections 3 cr.

This course provides an understanding of probation, parole and community corrections. The supervision, treatment and re-entry of offenders are explored. Specific alternatives to incarceration such as bail, community service, pre-trial release, residential halfway houses, day reporting, drug courts, ISP (Intensive Supervision Program), and house arrest are components to be discussed.

3/0/0

CRJ 217 Juvenile Delinquency 3 cr.

This course examines the development and philosophy of dealing with juvenile delinquency, youth crime, and youth victimization through the juvenile justice system. It examines the role of probation, treatment approaches, and the Juvenile Justice Commission.

3/0/0 FA/SP

CRJ 218 Introduction to Private Security 3 cr.

This course examines the systems and organization of security with primary emphasis on the private sector. It focuses on historical and philosophical perspectives of security and compares the public and private sectors. It concentrates on contemporary issues in security including legal authority, the branches and functions of security in multiple industry and institutional settings, and the growing function of the private sector investigator.

3/0/0

CRJ 219 Organized Crime 3 cr.

This course examines and analyzes the theory on organized crime and terrorism; the controversy surrounding the phenomenon; and efforts at control. It focuses on the historical aspects; the structural components of various defined groups; the economic theory and business practices; and the sociological and criminological theory as it relates to current regional organized crime groups.

3/0/0

CRJ 220 Independent Study in Criminal Justice 3 cr.

This course is for in-service police officers and pre-service students. The student is required to work in a local police department or other agencies within the criminal justice system and/or pursue an extensive study of some aspect of the criminal justice system through research, observation, or extended reading. It requires a demonstration of scholarly achievement.

Prerequisite: 30 credits, 2.8 GPA, ENG 101, CRJ 101, Student/college agreement

3/0/0

CRJ 310 Theories of Crime 3 cr.

This course provides an understanding of the causes of crime in the United States and examines the fundamentals of criminology, crime, the manner in which crime is measured, and theories of crime. The philosophical, biological, psychological, and sociological theories as it pertains to why individuals commit crime will be explored. Specific types of crime such as violent crime, white-collar and organized crime will also be discussed.

Prerequisite: CRJ 101 and one course from the following: CRJ 102, CRJ 103 or CRJ 106

3/0/0

CRJ 315 Drugs and Crime in America 3 cr.

This course provides an understanding of the relationship between illegal drugs and crime. The national and international trafficking, control of illegal drugs, and explanations of drug use will be explored. Historical and political foundations of drug policy and alternative policies for controlling psychoactive drug use and its consequences will be discussed.

Prerequisite: CRJ 101 and CRJ 102 or CRJ 103 or CRJ 106

3/0/0

CULINARY ARTS

CUL 107 Culinary Arts 4 cr.

This introductory course in food preparation includes instruction and practice in sanitation, safety, tools, equipment, basic cooking principles, recipes, menus, work preparation, stocks, sauces, soups, meats, and poultry. This course also includes instruction and practice in the production of seafood; vegetables; potatoes and starches; garnish; international cuisine; and basic baking principles.

Prerequisite or Corequisite: FSM 125

1/6/0 FA/SP Course fee charged

CUL 122 Techniques and Traditions 4 cr.

This course will cover the major cuisines of the world in a very broad and general overview. Each week covers a different geographical region and explores both general history and culinary aspects of the culture. Each week will include menus specifically for that region. Students will learn a variety of cooking methods and styles.

Prerequisite: FSM 125, CUL 107

1/6/0 Course fee charged

CUL 125 Foundations of Professional Baking - Baking I 3 cr.

This fundamental course in baking includes instruction and practice in sanitation; safety; tools; equipment; basic baking principles; recipes; recipe conversions; weights and measures; yeast doughs; artisan breads; quick breads; doughnuts; fritters; pancakes; waffles; basic syrups; creams; sauces; pastry basics; and pies.

Prerequisite or Corequisite: FSM 125

2/3/0 FA/SP Course fee charged

CUL 160 Patisserie – Baking II 4 cr.

This course in desserts includes instruction and practice in the preparation of tarts, special pastries, cakes, icings, cake decorating, special cakes, cookies, custards, puddings, mousses, soufflés, an introduction to frozen desserts, and fruit desserts.

Prerequisite: CUL 125, FSM 125

1/6/0 Course fee charged

CUL 203 Garde Manger 4 cr.

This culinary arts production course is designed to develop practical necessary skills for students to work in cold kitchen or garde manger positions in foodservice operations. An overview on the preparation of classical garde manger techniques, salad and salad dressings, sandwiches, cured and smoked meats; sausage; terrines and pates; canapes; hors d'oeuvres, cold soups; vegetable and fruit displays; basic cheese knowledge; and buffet presentation.

Prerequisite: FSM 125, CUL 107

1/6/0 Course fee charged

CUL 206 Italian Traditions and American Regional Cuisine 4 cr.

This course in the Italian and American traditions is an intensive experience in classical and authentic Italian and American foods and culture. Since "Italian cuisine" is actually a composite of foods of Italian regions (20), many towns and many households, this course will stress the importance of understanding the term "Regional Cuisine." Likewise, students will gain an understanding in American cuisine by examining the history, diverse cultures and regional culinary traditions of the evolving United States from Native American and first settlers to the present. Throughout this course students will be presented with a variety of authentic Italian and American ingredients, terms, preparations and recipes.

Prerequisite: FSM 125, CUL 107

1/6/0 Course fee charged

CUL 211 Purchasing and Menu Planning 3 cr.

This course will prepare students to plan, evaluate and purchase everything that is needed to produce a set menu, including smallwares and equipment. The course will also prepare students to evaluate vendors and determine suitability by price, service, and product line.

1/4/0 Course fee charged

CUL 216 A la Carte 3 cr.

This course is designed to introduce students to the operation of a full service restaurant serving à la Carte menus. Students will take orders, work cooking stations, and provide service to customers. Students will learn how to manage both the front and back of the house.

Prerequisite: Permission of Instructor

2/3/0 Course fee charged

CUL 230 Culinary Arts Practicum 2 cr.

This work experience course consists of supervised on-the-job learning experiences at college-approved work sites. This includes at least 240 hours in planned activities in cooking, food preparation and related duties. Students also develop a personal portfolio.

Prerequisite: Completion of 15 CUL credits, FSM 125 and permission of CUL Director 0/0/16 FA/SP/SU Course fee charged

CUL 235 Advanced Baking – Baking III 4 cr.

This course will provide experience with fine decorating; showpieces; advanced dessert design; holiday themed desserts; cake decorating; and sugar and marzipan sculpture.

Prerequisite: CUL 125, CUL 160, FSM 125 1/6/0 Course fee charged

DENTAL HYGIENE

DHY 101 Pre-Clinical Dental Health 4 cr.

This course introduces the basic knowledge, skills and judgments necessary for prevention of diseases of the teeth and surrounding tissue. Laboratory experiences provide for practical application of the principles of comprehensive dental hygiene treatment.

Prerequisite: Admission to program, CPR certification.
Corequisite: BIO 110, BIO 111, CHE 107, CHE 108, DHY 110, DHY 120, DHY 130 3/8/0 Course fee charged

DHY 110 Dental Head and Neck Anatomy 3 cr.

This course presents the basic structures of the oral cavity, including the nomenclature, structure, morphology, and function of the teeth. It emphasizes the clinical appearance of the anatomical features of the teeth and points out relationships to adjacent teeth, opposing teeth, and surrounding tissue. It also covers the configuration and function of gross structures of the head and neck and emphasizes the importance of anatomical concepts.

Prerequisite: Admission to program, CPR certification.
Corequisite: BIO 110, BIO 111, CHE 107, CHE 108, DHY 101, DHY 120, DHY 130 3/0/0 Course fee charged

DHY 120 Dental Radiology 3 cr.

This course integrates the didactic, laboratory, and clinical principles of dental radiography. It covers x-ray production, processing, intra- and extra-oral techniques, quality assurance, utilization of radiographic selection criteria, radiographic interpretation, radiation biology and safety, and infection control and hazardous waste disposal. It provides laboratory experiences which progress from mannequin simulation to assigned patients in order to explore clinical applications.

Prerequisite: Admission to Program, CPR certification (current)
Corequisite: BIO 110, BIO 111, CHE 107, CHE 108, DHY 101, DHY 110, DHY 130 2/0/3 Course fee charged

DHY 130 Medical and Dental Emergencies 1 cr.

This course emphasizes the importance of emergency prevention. It prepares students to recognize and manage medical emergencies that may occur in the dental environment.

Prerequisite: Admission to program, CPR certification (current)
Corequisite: BIO 110, BIO 111, CHE 107, CHE 108, DHY 101, DHY 110, DHY 120 1/0/0 Course fee charged

DHY 140 Oral Embryology and Histology 2 cr.

This course provides a conceptual framework for understanding the growth and development of oral structures as well as an overview of the peri-natal events that begin their growth. It focuses on the microscopic structures of the oral tissues, growth and development of the face and oral cavity. It also covers the development of the deciduous and permanent dentition, including common disturbances and anomalies.

Prerequisite: BIO 110, BIO 111, CHE 107, CHE 108, DHY 101, DHY 110, DHY 120, DHY 130
Corequisite: BIO 114, BIO 115, BIO 155, BIO 156, ENG 101, DHY 151 2/0/0 Course fee charged

DHY 151 Clinical Services I 4 cr.

This course focuses on information about oral physiotherapy, fluoride, treatment planning, adjunctive instrumentation, hypersensitivity, and air abrasive systems. There are examinations of case studies with respect to treatment planning, behavior modification strategies; and adult and pediatric preventive counseling. It requires clinical practice. Students must demonstrate advanced techniques of dental hygiene treatment.

Prerequisite: BIO 110, BIO 111, CHE 107, CHE 108, DHY 101, DHY 110, DHY 120, DHY 130
Corequisite: BIO 114, BIO 115, BIO 155, BIO 156, DHY 140, ENG 101, DHY 160 3/0/12 Course fee charged

DHY 160 Periodontology I 2 cr.

This course focuses on the basic concepts of the anatomy and pathology of the periodontium. It examines in depth classification, etiology, and treatment of periodontal disease. It integrates correlation of the relationship of the histopathologic changes of the supporting structures of the teeth by using case-based clinical studies.

Prerequisite: BIO 110, BIO 111, CHE 107, CHE 108, DHY 101, DHY 110, DHY 120, DHY 130
Corequisite: BIO 114, BIO 115, BIO 155, BIO 156, DHY 140, DHY 151, ENG 101 2/0/0 Course fee charged

DHY 200 Dental Pharmacology and Pain Control 2 cr.

This course introduces pharmacology and methods of pain control as it relates to the practice of dentistry. It focuses on adverse drug reactions; pharmacological effects; and their usual indications and contraindications. It emphasizes the clinical application of topical and local anesthesia. It discusses systemic toxicity and local complications to prepare students for the prevention and management of emergencies that may develop during treatment as well as sedation methods and general anesthesia.

Prerequisite: BIO 114, BIO 115, BIO 155, BIO 156, DHY 140, DHY 151, ENG 101
Corequisite: DHY 222, PSY 101 2/0/0 Course fee charged

DHY 201 Clinical Services II 4 cr.

This course allows students the opportunity to demonstrate advanced treatment techniques relative to the dental hygiene appointment in the clinical setting. It emphasizes skills in oral physiotherapy, treatment planning, behavior modification strategies, adult and child preventive counseling, and adjunctive instrumentation.

Prerequisite: DHY 160, DHY 200, DHY 222, PSY 101
Corequisite: CHE 210, DHY 210, DHY 220, DHY 241; MTH 107 3/0/12 Course fee charged

DHY 210 Periodontology II 2 cr.

This course builds on the information presented in DHY 160. It focuses on current information on clinical and adjunctive home care aids, as well as a variety of treatment modalities. It also presents surgical options, including implants. It requires student case presentations which cover complete charting; review of medical and dental histories; radiographs and/or study models; record of treatment; patient compliance; and recommended maintenance schedules.

Prerequisite: DHY 160, DHY 200, DHY 222, PSY 101
Corequisite: CHE 210, DHY 201, DHY 220, DHY 241; MTH 107 2/0/0 Course fee charged

DHY 220 Oral Pathology 3 cr.

This course investigates the study of abnormalities in morphology and function. It focuses on the cellular level first, including cellular alterations and response. It centers its approach on etiology; pathogenesis; clinical and microscopic signs and symptoms; differential diagnosis; treatment; follow-up and prognosis with emphasis on those lesions most frequently encountered. It focuses on the recognition of pathological conditions, both systemic and oral, as well as their risk factors so appropriate precautions and/or treatment may be taken.

Prerequisite: DHY 160, DHY 200, DHY 222, PSY 101
Corequisite: CHE 210, DHY 201, DHY 210, DHY 241; MTH 107 3/0/0 Course fee charged

DHY 222 Local Anesthesia 1 cr.

This course is designed to prepare the student to provide local anesthesia to patients requiring pain management during the course of dental hygiene treatment. This course will provide the fundamental knowledge of choosing the appropriate agent, selection of injection, administering local anesthesia, and health history evaluation to avoid potential complications.

Prerequisite: DHY 101, DHY 110, DHY 130, DHY 140, DHY 151, DHY 160

Corequisite: DHY 200

2/1/1/ Course fee charged

DHY 240 Dental Public Health 3 cr.

This course prepares students to provide patient education to individuals and groups, focusing on a holistic approach. It covers the development, implementation, and evaluation of dental health education programs in a variety of settings through analysis of patient lifestyle, values, behavior, and environment.

Prerequisite: CHE 210, DHY 201, DHY 210, DHY 220, DHY 241; MTH 107

Corequisite: DHY 251, SOC 101, SPE 102

3/0/0 Course fee charged

DHY 241 Supportive Therapies 3 cr.

This course provides lecture and laboratory experiences to apply the theory, techniques and applications of dental material manipulation to the clinical arena. All delegable expanded functions as outlined in the New Jersey Dental Auxiliaries Practice Act will be emphasized and taught to clinical competency. Exploration of the Dental Hygienists' role in Dental specialty practice is included.

Prerequisite: DHY 200, DHY 222, PSY 101

Corequisite: DHY 201, DHY 210, DHY 220, CHE 210, MTH 107

2/2/2 Course fee charged

DHY 251 Clinical Services III 4 cr.

This capstone course offers an integrative clinical approach to the provision of patient care services. It emphasizes the honing of clinical skills, the synthesis of prior learning, and application to the delivery of care. It covers practice management and its application to the business of dental hygiene to prepare students for the modern workforce and its various demands.

Prerequisite: CHE 210, DHY 201, DHY 210, DHY 220, MTH 107

Corequisite: DHY 240, DHY 241, SOC 101, SPE 102

3/0/12 Course fee charged

DIAGNOSTIC MEDICAL SONOGRAPHY**DMS 101 Introduction to Sonography 2 cr.**

Introduces the diagnostic foundations of diagnostic medical sonography, including terminology; scan plane orientations; anatomical relationships; departmental administrative operations; hospital organization; HIPPA regulations; blood and fluid precautions; and basic patient care principles.

Prerequisite: Acceptance in Program, BIO 110, BIO 111, ENG 101

2/0/0 FA Course fee charged

DMS 102 Cross Sectional Anatomy 2 cr.

This course will require the student to study sectional anatomy of the body in the transverse, longitudinal and coronal planes. Emphasis will be placed on the vessels and organs imaged sonographically. There will also be correlation of the anatomy to sonographic images, CAT, MRI and X-Ray images.

Prerequisite: Acceptance in Program, BIO 110, BIO 111

Corequisite: DMS 101, DMS 107

2/0/0 FA Course fee charged

DMS 107 Ultrasound Abdomen 3 cr.

This course will give the student a comprehensive understanding of the anatomy, physiology, embryology, and pathological processes of the abdominal region. Specific attention is paid to the liver, pancreas, gallbladder, abdominal vascular, biliary systems, spleen, body cavities, urinary systems, abdominal wall/ components, and male pelvis.

Prerequisite: Acceptance in Program, BIO 110, BIO 111

Corequisite: DMS 101, DMS 102, DMS 108

3/0/0 FA Course fee charged

DMS 108 Ultrasound Abdomen Lab 1 cr.

This laboratory course provides laboratory experience that applies to the topics and concepts covered in Ultrasound of the Abdomen. Students will be introduced to ultrasound knobology and scanning protocols of the abdominal and male pelvis regions.

Prerequisite: Acceptance in program, BIO 110, BIO 111

Corequisite: DMS 107

0/3/0 FA Course fee charged

DMS 110 Ultrasound Physics I 2 cr.

This course will discuss ultrasonic sound waves utilized for diagnostic imaging. Associations with human tissue, basic instrumentation, and scanning technology will be covered.

Prerequisite: DMS 101, PHY 107

2/0/0 SP Course fee charged

DMS 113 Ultrasound OB/GYN I 2 cr.

This course consists of normal pelvic anatomy, physiology, embryology and pathological processes. First trimester normal and abnormal anatomy, physiology, and embryology will be studied.

Prerequisite: DMS 101, DMS 102, BIO 114, BIO 115

Corequisite: DMS 114

2/0/0 SP Course fee charged

DMS 114 Ultrasound OB/GYN I Lab 1 cr.

This laboratory course provides laboratory experiences that apply to the topics and concepts covered in the Ultrasound OB/GYN I course. Students will build on previous ultrasound knobology knowledge. Students will produce sonograms pertaining to protocols of first trimester obstetrics and gynecology.

Prerequisite: DMS 101, DMS 102, BIO 114, BIO 115

Corequisite: DMS 113

0/3/0 SP Course fee charged

DMS 130 Ultrasound Pediatrics and Small Parts 2 cr.

This course focuses on the anatomy, embryology, physiology, and pathology of the neck, thyroid, breast, scrotum, musculoskeletal, pediatric hip and abdomen, neonatal brain and spine. Coursework will familiarize the student with protocols to evaluate normal versus abnormal sonographic appearances. Correlation of pertinent history, symptoms, clinical laboratory tests, and other diagnostic procedures will be highlighted.

Prerequisite: DMS 101, DMS 102, BIO 114, BIO 115

Corequisite: DMS 131

2/0/0 SP Course fee charged

DMS 131 Ultrasound Pediatrics and Small Parts Lab 1 cr.

This laboratory course provides laboratory experience that applies to the topics and concepts covered in Ultrasound Pediatrics and Small Parts. Students will apply ultrasound knobology and scanning protocols of pediatric and small part imaging.

Prerequisite: DMS 101, DMS 102, BIO 114, BIO 115

Corequisite: DMS 130

0/3/0 SP Course fee charged

DMS 211 Ultrasound Physics II 2 cr.

This course will discuss the physics utilized for imaging acquisition in diagnostic ultrasound imaging. Advanced material will build upon content learned in DMS 110, such as real-time imaging, pulsed echo instrumentation, Doppler, Artifacts, and Bioeffects facts; and safety/biological effects.

Prerequisite: DMS 110

2/0/0 SU Course fee charged

DMS 214 Ultrasound OB/GYN II 3 cr.

This course will prepare the student to perform sonograms of the female pelvis, encompassing both gynecological and obstetrical examinations. This course consists of normal and abnormal anatomy throughout the second and third trimesters of pregnancy. Cross-sectional anatomy of these structures and their appearances on the sonogram will be discussed. Fetal abnormalities, high-risk pregnancies and maternal disease will also be correlated to the sonographic examination. Classroom instruction will be coordinated with lab activities in Ultrasound OB/GYN II Lab.

Prerequisite: DMS 113, DMS 114

Corequisite: DMS 215

3/0/0 SU Course fee charged

DMS 215 Ultrasound OB/GYN II Lab 1 cr.

This laboratory course provides laboratory experiences that apply to the topics and concepts covered in the Ultrasound OB/GYN II course. Students will build on previous ultrasound knobology knowledge utilizing ALARA standards. Students will produce sonograms pertaining to protocols of second/third trimester obstetrics and gynecology.

Prerequisite: DMS 113, DMS 114

Corequisite: DMS 214

0/3/0 SU Course fee charged

DMS 218 Introduction to Ultrasound Vascular 2 cr.

This course will provide the student with an understanding of the uses of Doppler and color ultrasound in the diagnostic evaluation of vascular disease. Instruction will include a discussion of the principles of Doppler physics and instrumentation, hemodynamics, imaging protocols, and proper scanning techniques for performing vascular sonograms.

Prerequisite: DMS 102, DMS 107

Corequisite: DMS 219

2/0/0 FA Course fee charged

DMS 219 Introduction to Ultrasound Vascular Lab 1 cr.

This laboratory course provides laboratory experiences that apply to the topics and concepts covered in Ultrasound Vascular. Students will build on previous ultrasound knobology knowledge pertaining to vascular scanning. Students will produce vascular sonograms.

Prerequisite: DMS 102, DMS 107

Corequisite: DMS 218

0/3/0 FA Course fee charged

DMS 220 Clinical Practicum I 3 cr.

This course is designed to integrate didactic and clinical coursework in order to develop the student's ultrasonic skills in a diagnostic environment and may include scanning in campus laboratories, private offices, hospital rotations, and outpatient radiology centers. Includes experience in abdominal, pelvic, obstetrical, and small parts scanning.

Prerequisite: DMS 107, DMS 108, DMS 110, DMS 113, DMS 114, DMS 130, DMS 131

Corequisite: DMS 211, DMS 214, DMS 215

0/0/24 SU Course fee charged

DMS 224 Sonographic Interpretations 2 cr.

This course will prepare the student for the abdomen and OB/GYN registry exams. The student will review pertinent information that will evaluate knowledge and critical thinking in regards to normal and abnormal sonographic findings and techniques. The student will be required to take a series of preparatory examinations on abdominal and OB/GYN ultrasound registry content.

Prerequisite: DMS 102, DMS 107, DMS 108, DMS 110

Corequisite: DMS 240

2/0/0 SP Course fee charged

DMS 230 Clinical Practicum II 4 cr.

This course is designed to develop and improve upon the student's independent ultrasonic skills in a diagnostic environment and may include scanning in campus laboratories, private offices, hospital rotations, and outpatient radiology centers. Includes experience in abdominal, pelvic, obstetrical, small parts, and vascular scanning.

Prerequisite: DMS 220

Corequisite: DMS 218, DMS 219

0/0/32 FA Course fee charged

DMS 240 Clinical Practicum III 4 cr.

This course is designed to increase the student's confidence and competency within their ultrasonic skills in a diagnostic environment and may include scanning in campus laboratories, private offices, hospital rotations, and outpatient radiology centers. Includes experience in abdominal, pelvic, obstetrical, small parts, and vascular scanning.

Prerequisite: DMS 230

Corequisite: DMS 224

0/0/32 SP Course fee charged

ECONOMICS**ECO 203 Principles of Microeconomics 3 cr.**

This course focuses on basic economic principles with particular emphasis on microeconomic theory and problems. It covers graphs, supply, demand, the price system, resource allocation, distribution of income, socioeconomic problems, international trade, economic development, and comparative economic systems.

3/0/0 FA/SP/SU

ECO 204 Principles of Macroeconomics 3 cr.

This course is an introduction to the economic institutions of our society. It focuses on supply, demand, business organization, income, social security, management-labor relations, taxation, money and banking, consumption, savings and investments. It applies these concepts and their interrelationships to problems such as economic activity, employment and unemployment, and inflation and public policies.

3/0/0 FA/SP/SU

EDUCATION**EDU 105 Teaching as a Profession 3 cr.**

This course addresses the professional characteristics and historical development of teaching as a profession. It discusses the role of the teacher, lesson preparation, and other issues facing teachers. It also provides an overview of select teacher education programs.

3/0/0

EDU 112 Historical Foundations of American Education 3 cr.

This course is a study of the historical and philosophical foundations of American education. It examines current trends and issues in education including but not limited to educational reform, diversity in the classroom, instructional approaches, and school effectiveness.

3/0/0

EDU 130 Human Exceptionality 3 cr.

This course is designed to develop students' awareness and understanding of the nature and needs of individuals with exceptionalities. It provides a lifespan perspective that will assist students in better understanding, accepting, and advocating for individuals with disabilities.

Corequisite: PSY 101 or SOC 101 and ENG 101

3/0/0

EDU 210 Inclusive Principles and Pedagogies 3 cr.

This course introduces the basic concepts and principles of curriculum and instruction for the inclusive classroom. It will focus on teaching principles and strategies, curriculum development and implementation, and classroom conditions that influence teaching and learning to promote positive classroom management techniques supportive of all learners in an inclusive setting. Through the use of case study scenarios, observations, and video experiences, students will have varied opportunities to reflect on and apply new learning to enhance their understanding of proactive behavioral strategies and supports. This course requires 45 classroom observation hours.

Prerequisite: EDU 130

2/0/3

EDU 215 Foundations of Inclusive Education 3 cr.

This course is an introduction to the foundations of inclusive education. Students will be asked to critically examine teaching and schooling, with an emphasis on identifying effective approaches to supporting the meaningful participation and learning of diverse students. Students will develop a research-based educational philosophy in which they articulate their plan for creating inclusive classroom environments.

Prerequisite: EDU 130; Admission to 3+1 Inclusive Education Program

3/3/0 SP Course fee charged

EDU 220 Educational Technology 1 cr.

This course focuses on the use of educational technology in support of student learning, and integration of technology into the N-12 curriculum. Strategies to incorporate technology and the World Wide Web into the school curriculum will be explored. Each student will develop an online portfolio to demonstrate their growth over time and record evidence of their teaching competencies.

1/0/0 FA/SP

ELECTRICAL ENGINEERING TECHNOLOGY

EET 101 Introduction to Electronics 3 cr.

This course explores the fields of electronics and computers for those who have no experience in these fields. It includes circuit components, Ohm's Law, basic DC and AC circuits, an introduction to power supplies, transistor and integrated circuit amplifiers, and optoelectronic communications. Laboratory experiments cover these topics and verify lecture theory. The laboratory also introduces measurement techniques using a multimeter, function generator, oscilloscope, and computer simulation using circuit analysis software.

Prerequisite: High school algebra or MTH 075

Note: EET 101 cannot be taken after passing EET 121

2/2/0 FA/SP Course fee charged

EET 111 Electronic Computer Graphics 3 cr.

This course uses computer software to perform computer aided drafting software related to the electronic industry. Lectures cover development of electronic block diagrams, layout, schematics, routing, parts lists, and production drawings. Hands-on laboratory exercises develop printed circuit board designs including layout, trace routing, assembly and hole drill drawings.

2/2/0 Course fee charged

EET 121 Circuits I 4 cr.

This course focuses on the basic principles of direct and alternating current and on the properties of passive electrical components. It covers atomic theory, current, voltage, resistance, resistive networks, network theorems, work power, capacitance, inductance and transformers. Laboratory exercises include building circuits from schematics, using laboratory equipment to make measurements, and to verify theory. Circuit analysis software is used to simulate and verify the laboratory analysis where appropriate.

Prerequisite or Corequisite: MTH 130

3/3/0 FA/SP Course fee charged

EET 210 IT Essentials: A+ 4 cr.

This course is an in-depth exposure to information technology and data communications. Students develop the necessary skills to enter this field by building a computer, installing the operating system, adding peripherals, and connecting the computer to a local area network and to the Internet. This course helps students prepare for CompTIA's A+ certification exam.

3/3/0 FA/SP Course fee charged

EET 222 Circuits II 3 cr.

This course covers the fundamentals of AC electrical circuits. It focuses on series/parallel RLC circuits, voltage and impedance phasor diagrams, power in AC circuits, filters, resonance, frequency Response, and BODE plots. There is a final project with a written report and an oral presentation.

Prerequisite: EET 121, MTH 130

2/3/0 Course fee charged

EET 230 Semiconductor Electronics 4 cr.

This course introduces the characteristics, operation, and application of solid state devices including diodes, bipolar and MOS field effect transistors, and light dependent semiconductor devices. It covers diodes, power supplies, the transistor switch, and DC and AC analysis of various types of amplifiers. These include the bipolar common emitter, common collector, power amps, and MOS field effect transistor amplifiers. Laboratory experiments cover the course topics and verify lecture theory.

Prerequisite: EET 121 and MTH 130

2/4/0 Course fee charged

EET 232 Analog Integrated Circuits 4 cr.

This course focuses on the characteristics and applications of analog integrated circuits including operational amplifiers and specialized linear integrated circuits. It investigates circuits including inverting, non-inverting and differential amplifiers, non-linear circuits, active filters, equalizers, oscillators, timers, and power supply regulator IC's. Laboratory experiments cover the course topics and verify lecture theory. Circuit analysis software is used to simulate and verify the laboratory analysis where appropriate.

Prerequisite: EET 121

3/3/0 Course fee charged

EET 240 Digital Electronics 4 cr.

This course introduces the theory and design of logic circuits used in computers and other digital instruments. Lectures cover digital systems, binary numbers, Boolean algebra, binary logic gates, combinational logic and simplification techniques; combinational logic functions; flip-flops, counters & shift registers, sequential logic functions; finite state machines, memories and Programmable Logic Devices. The laboratory component includes hands-on computer-based development and simulation tools to develop and test digital circuits and includes a final project and oral presentation.

Prerequisite: EET 121 or EGR 151

3/3/0 Course fee charged

EMERGENCY MEDICAL SERVICES

EMS 101 Basic Emergency Medical Technician 8 cr.

This course will cover all aspects of pre-hospital care and special circumstances that may be encountered. Skills that will be learned during the course are: spinal immobilization; respiratory care; care of the pediatric patient; and care of the trauma patient. The following programs will also be covered in the course: IMS 100/700; Haz-Mat Awareness and CBRNE Awareness. Students successfully completing EMS 101, EMS 102 and the National Registry of Emergency Medical Technicians exam are certified as emergency medical technicians.

Prerequisite: CPR for Professional Rescuers (American Heart Association)

Corequisite: EMS 102

8/0/0 FA/SP

EMS 102 Psychomotor Skills for EMT Certification 1 cr.

This course provides the student with the necessary simulation lab and clinical hours in order to learn and practice skills required for EMT certification. The student has the opportunity to have simulation lab practice with clinical instructors in order to develop confidence and expertise in performing all required skills. Students will be required to perform several offsite observations including a 10-hour hospital observation rotation prior to the end of this course.

Prerequisite: CPR for Professional Rescuers (American Heart Association)

Corequisite: EMS 101

0/5/3 FA/SP Course fee charged

ENGINEERING

EGR 104 Engineering Design Fundamentals 4 cr.

This course presents an introduction to engineering involving teams of students of various disciplines working on engineering design projects. Electronic and mechanical topics along with schematic drawing software are incorporated in lecture and lab modules. Lecture topics include: technical communications, analytic and computer-based tools and the engineering design process. These topics are designed to give students the skills to design, build, document and present a working project. The laboratory component will develop projects that have elements of Electronic and Mechanical Engineering design. Each hands-on lab team prepares a written report, gives an oral presentation and demonstrates their project to an outside panel of judges.

Prerequisite or Corequisite: ENG 101

3/3/0 FA/SP Course fee charged

EGR 110 Design Computer Graphics I 3 cr.

This course covers beginning to intermediate AutoCAD with emphasis on the AutoCAD language over drafting principles. The lecture introduces the relevant AutoCAD topics, which are then implemented in the hands-on laboratory component. All projects use AutoCAD software.

2/2/0 Course fee charged

EGR 113 Design Computer Graphics II 3 cr.

This course covers advanced AutoCAD techniques. It covers orthographic projection; isometric projection; sections; auxiliary views; three-dimensional detailed drawings and engineering design projects. The lecture introduces the relevant advanced AutoCAD topics, which are then implemented in the hands-on laboratory component. All projects involve use of the AutoCAD software.

Prerequisite: EGR 110

2/2/0 Course fee charged

EGR 151 Freshman Engineering Clinic I 2 cr.

This course presents an introduction to engineering involving teams of students of various disciplines working on engineering design projects. Electrical and mechanical topics are incorporated in lecture and lab modules. Lecture topics include: technical communications, using analytic and computer-based tools and the engineering design process. These topics are designed to give students the skills to design a working project. The laboratory component gives the student an opportunity to develop their design projects possessing elements of electrical and mechanical design.

Prerequisite/Corequisite: ENG 101

1/2/0 FA Course fee charged

EGR 152 Freshman Engineering Clinic II 2 cr.

This course is a continuation of Freshman Clinic I. Students will continue working on their projects from EGR 151. Topics covered include: microcontroller operation and programming, schematic drawing software, and a continuation of technical communications, using analytic and computer based tools. These topics are designed to give students the skills to build, document and present a working project. In the laboratory, students will build projects designed in EGR 151 that have elements of Electrical and Mechanical Engineering design. Each lab team prepares a written report, gives an oral presentation and demonstrates their project to an outside panel of judges.

Prerequisite: EGR 151

1/2/0 SP Course fee charged

EGR 201 Engineering Statics 3 cr.

This course focuses on the fundamental principles of engineering mechanics including statics of particles and rigid bodies in two and three dimensions. It covers mathematical analysis as applied to the study of trusses, frames, and machines; frictional forces; distributive forces; center of gravity and moment of inertia; as well as methods of virtual work. The free-body diagram approach and vector analysis methods are used.

Prerequisite: MTH 118

3/0/0

EGR 202 Engineering Dynamics 3 cr.

This course focuses on forces and motion including kinematics of particles; kinetics of particles analyzed using Newton's Second Law and energy and momentum methods; systems of particles; kinematics of rigid bodies, plane motion of rigid bodies analyzed using energy and momentum methods; kinetics of rigid bodies in three dimension, and mechanical vibration.

Prerequisite: EGR 201, MTH 119

3/0/0

EGR 203 Surveying 3 cr.

This basic course will teach the use of the level, transit, tape, linear measurements, leveling contours, traverses, and construction surveying will be demonstrated. Field and office work, site planning and computerized traverses will be studied.

Prerequisite: MTH 130 or permission

2/2/0 Course fee charged

EGR 210 Design Computer Graphics III 3 cr.

This course continues to develop the skills learned in EGR 113. It uses the advanced capabilities of AutoCAD for drafting and design to create complex three-dimensional models. It focuses on the application of solid modeling and rendering techniques and applies them to an advanced design concept.

Prerequisite: EGR 113

2/2/0 Course fee charged

EGR 212 Material Science and Engineering 3 cr.

This course provides students with an introduction to material science and engineering. Students will apply the basics of chemistry, such as atomic bonding, to develop an understanding of the structure-property relationships in materials. Materials designed for mechanical, electrical, and optical applications will be studied.

Prerequisite: CHE 115

3/0/0

EGR 220 Advanced CADD Project 3 cr.

This course is designed so a student selects and completes one or more projects throughout the semester. The lecture provides advanced CAD topic information. The laboratory component provides hands-on experience for the student to develop skills for their application. The student selects, with the approval of the instructor, an industrial application. The student prepares a formal proposal and a final project report based on the completed project.

Prerequisite: EGR 210

2/2/0 Course fee charged

EGR 230 Strength of Materials 3 cr.

The course presents the theory and analytical techniques used in the design and analysis of engineered structural components. The course addresses the principles of stress and strain, mechanical properties of materials, and beam and bar analysis. The study of structural components includes axial forces, torsion, bending, shear, combined loading, buckling and design. Concepts such as principal stresses, Hooke's Law for plane stress, and failure criteria are introduced.

Prerequisite: EGR 201

3/0/0

EGR 251 Sophomore Engineering Clinic I 1 cr.

Sophomore Clinic is an interdisciplinary, team-taught course designed to help students develop professional and technical writing skills in engineering. This course encourages students to build strong communication practices in conjunction with engineering design skills in order to recognize the relationship between critical thinking and writing. Hands on activities will be included to provide the data to be documented through writing.

Prerequisite: EGR 152

Co-requisite/Prerequisite: ENG 102 or ENG 105

0/2/0 Course fee charged

EGR 252 Sophomore Engineering Clinic II 1 cr.

Sophomore Clinic is an interdisciplinary, team-taught course designed to help students develop professional and public speaking in engineering. This course encourages students to build strong communication practices in conjunction with engineering design skills in order to recognize the relationship between critical thinking and oral communications. Hands on activities will be included to provide the data to be expressed through oral presentations.

Prerequisite: EGR 251

Corequisite/Prerequisite: SPE 102

0/2/0 Course fee charged

EGR 351 Junior Engineering Clinic I 2 cr.

This is a continuation of the Engineering Clinic sequence. During the period of this course, design methodology, proposal development, library research, project management and computer usage are stressed. It provides the opportunity for junior students to demonstrate their professional competence by designing and building a functional applied technology, or engineering prototypes using the associated equipment or knowledge provided in the lecture courses offered this semester. Working in cross-functional teams and vertical integration of juniors and seniors, demonstration of a chosen project will confirm understanding of selected areas.

Prerequisite: EGR 252

0/4/0 Course fee charged

EGR 352 Junior Engineering Clinic II 2 cr.

This is a continuation of the Engineering Clinic Sequence. During this course, design methodology, proposal development, library research, project management and computer usage are stressed. It provides the opportunity for juniors and seniors to demonstrate their professional competence by designing and building a functional applied technology, or engineering prototypes using the associated equipment or knowledge provided in the lecture courses offered this semester. The students work in cross-functional teams and learn project management skills, team dynamics, design, technical communication skills, construction and/or modeling, documentation and demonstration of a chosen project which shows understanding of selected areas.

Prerequisite: EGR 351

0/4/0 Course fee charged

ENGLISH**ENG 060 Academic Literacy 6 cr.***

This course is an integrated and accelerated model for developmental reading and writing. It is designed for those students who demonstrate a need for review and improvement of fundamental skills in reading and writing. Standard English usage and correct mechanics are emphasized, along with a process approach for developing unified and coherent paragraphs and essays. Students also strengthen comprehension and critical thinking skills through extensive reading on a variety of topics.

**Credits do not apply toward graduation.*

Prerequisite: Placement based on assessment and recommendation of an academic advisor.

6/0/0

ENG 080 English Composition I Clinic 3 cr.*

This course offers intensive instruction and practice of necessary skills for writing expository essays. It emphasizes select sections of the writing process, organization, methods of development, and diction. It provides significant support for student research and research based writing according to multiple documentation formats.

**Credits do not apply toward graduation.*

Prerequisite: ENG 060 or ENG 055, REA 075; or placement based on assessment and academic advisement

Corequisite: ENG 101

3/0/0 Course fee charged

ENG 101 College Composition I 3 cr.

This course develops skills in expository writing. It emphasizes the writing process, organization, methods of development, and diction. It requires a research essay using the MLA documentation format.

Prerequisite or Corequisite: ENG 080 or equivalent skills

3/0/0 FA/SP/SU Course fee charged

ENG 102 College Composition II 3 cr.

This course further develops skills in expository writing. It emphasizes close reading, textual analysis, and appropriate research methods and documentation.

Prerequisite: ENG 101 and completion of all required Developmental Reading

3/0/0 FA/SP/SU

ENG 105 Technical Writing 3 cr.

This course focuses on the writing skills necessary for presenting information of a technical nature. There is intensive practice through students writing reports in their own technical or engineering field.

Prerequisite: ENG 101

3/0/0

ENG 106 Business Communications 3 cr.

This course focuses on effective communication using business vocabulary and its influence on human relations in business and industry. It emphasizes instruction and practice of the form, presentation, tone, and psychology of business letters and reports.

Prerequisite: ENG 101 or higher

3/0/0

ENG 251 Creative Writing 3 cr.

This writing course focuses on the short story and/or poetry, with occasional evaluation of the work of other writers. It requires a final portfolio.

Prerequisite: ENG 102 or permission

3/0/0

ENG 252 Semantics 3 cr.

This course examines the use and impact of language in contemporary American society. It focuses on the effects of language manipulation in political, economic, and social areas. Special attention is given to the connotation of words, logical fallacies, propaganda, and doublespeak. It examines the distinction between responsible, persuasive language and exploitive language.

Prerequisite: ENG 102 or permission

3/0/0

ENGLISH AS A SECOND LANGUAGE**ESL 056 Integrated ESL for Beginners 4 cr.***

This course is designed to help non-native English speakers whose placement scores indicate limited or no ability to read, speak and write in English. Students in this course learn practical vocabulary, important English phrases, greetings, the alphabet, the English number system, fundamental grammatical concepts, and basic pronunciation.

**Credits do not apply toward graduation.*

4/0/0

ESL 066 ESL Reading I 4 cr.*

This course is for beginning non-native speakers of English. It introduces basic phonics; vocabulary development; and pre-reading and reading strategies such as topic sentence and main idea to increase reading comprehension.

**Credits do not apply toward graduation.*

Prerequisite: Placement based on assessment and recommendation of an academic advisor

4/0/0 Course fee charged

ESL 067 ESL Reading II 4 cr.*

This intermediate course is for non-native speakers of English who have an understanding of basic phonics, vocabulary, and pre-reading and reading strategies such as topic sentence and main idea. It focuses on increasing reading comprehension with more intermediate vocabulary development, word and dictionary usage structural analysis, and additional pre-reading and reading strategies such as author's purpose and supporting details.

**Credits do not apply toward graduation.*

Prerequisite: ESL 066 or intermediate reading level comprehension scores based on assessment and recommendation of an academic advisor
4/0/0 Course fee charged

ESL 068 ESL Reading III 4 cr.*

This advanced course is for non-native speakers of English who have an understanding of intermediate vocabulary, word usage; and reading strategies such as main idea; author's purpose; and supporting details. It focuses on increasing reading with more advanced vocabulary development, word and dictionary usage, structural analysis, and additional pre-reading and reading strategies such as outlining and inference.

**Credits do not apply toward graduation.*

Prerequisite: ESL 067 or placement based on assessment and recommendation of an academic advisor
4/0/0 Course fee charged

ESL 074 Intermediate Intensive Grammar 4 cr.

This intensive course is for non-native speakers of English who have elementary grammar skills. It focuses on intensive instruction of intermediate grammar and focuses on specific grammar usage problems that intermediate students typically experience.

4/0/0

ESL 076 ESL Writing I 4 cr.*

This intensive course is for beginning non-native speakers of English. It introduces elementary grammar and helps students to develop basic paragraph writing skills through speaking and writing activities.

**Credits do not apply toward graduation.*

Prerequisite: Placement based on assessment and recommendation of an academic advisor
4/0/0 Course fee charged

ESL 077 ESL Writing II 4 cr.*

This intensive course is for non-native speakers of English who understand paragraph development and have elementary grammar skills. It focuses on intermediate grammar and introduces the organization and development of the basic five-paragraph essay through speaking and writing activities.

**Credits do not apply toward graduation.*

Prerequisite: ESL 076 or placement based on assessment and recommendation of an academic advisor
4/0/0 Course fee charged

ESL 078 ESL Writing III 4 cr.*

This intensive course is for non-native speakers of English who understand the organization and development of the five-paragraph essay and have intermediate grammar skills. It introduces advanced grammar and the refinement of longer essays through speaking and writing activities. It prepares students to enter ENG 101.

**Credits do not apply toward graduation.*

Prerequisite: ESL 077 or placement based on assessment and recommendation of an academic advisor
4/0/0 Course fee charged

ESL 081 ESL Speaking and Listening I 4 cr.*

This basic course provides intensive drill in the phonetics and intonation uses of the English language for the non-native speaker of English. Students practice phonics and intonation uses in essential daily speech patterns to improve speaking skills and do active, guided listening of recorded materials.

**Credits do not apply toward graduation.*

Prerequisite: Placement based on assessment and recommendation of an academic advisor
4/0/0 FA/SP Course fee charged

ESL 082 ESL Speaking and Listening II 4 cr.*

This intermediate course is designed for non-native speakers of English who wish to develop more correct pronunciation with improved intonation. It addresses students' pronunciation difficulties as well as their use of idiomatic English. The intensive practice with more difficult daily and academic situations is supplemented by guided listening of recorded materials to improve listening skills in both academic and personal settings.

**Credits do not apply toward graduation.*

Prerequisite: ESL 081 or placement based on assessment and recommendation of an academic advisor
4/0/0 FA/SP Course fee charged

ESL 083 ESL Speaking and Listening III 4 cr.*

This advanced course is designed for non-native speakers of English who wish to reduce accent and develop near-native fluency with idiomatic expressions. Students focus on the organization and presentation of formal reports. It emphasizes academic language in class discussions. More advanced listening is provided and note-taking strategies are practiced to help students prepare for college-level communication demands.

**Credits do not apply toward graduation.*

Prerequisite: ESL 082 or placement based on assessment and recommendation of an academic advisor
4/0/0 FA/SP Course fee charged

ESL 093 English for TOEFL I 4 cr.*

The TOEFL I preparation course is designed to help students who are non-native speakers of English acquire the skills and confidence necessary to achieve a high TOEFL (Test of English as a Foreign Language) score. The TOEFL test is a requirement for admission to most four-year American colleges and universities. The Class concentrates on the four areas of the TOEFL test: listening, speaking, reading, and writing, as well as test-taking skills and strategies.

**Credits do not apply toward graduation.*

Prerequisite: ESL 067, ESL 077 or placement based on assessment
Corequisite: ESL 068, ESL 078
4/0/0

ESL 094 English for TOEFL II 4 cr.*

The TOEFL II preparation course is designed to provide further instruction and practice on reading and writing, as well as test-taking skills and strategies. Students will have a chance to take practice tests in each section and, based on the results, receive further suggestions for improvement on their performance from their instructor. There will be daily homework assignments in all language skill areas, including vocabulary. The TOEFL (Test of English as a Foreign Language) test is a requirement for admission to most four-year American colleges and universities.

**Credits do not apply toward graduation.*

Prerequisite: ESL 093 or placement based on assessment
4/0/0

ESL 097 English for Academic Purposes 4 cr.*

English for Academic Purposes is an advanced level bridge course between ESL and college-level classes. The course gives students practice in undergraduate level academic writing and reading. Listening, speaking and grammar skills will also be integrated into the course. The course materials and assessments for English for Academic Purposes reflect the type of activities and situations students will encounter in college-level courses, such as note-taking, writing extended essays, reading academic texts, giving presentations, and participating in group discussions.

**Credits do not apply toward graduation.*

Prerequisite: ESL 078, ESL 068 or placement based on assessment
4/0/0

ENTERTAINMENT TECHNOLOGIES: CORE

ETC 105 Entertainment Law 3 cr.

This course introduces the legal aspects of the entertainment and digital media industry. It covers ethics; copyright; the Digital Millennium Copyright Act and its implications; law in cyberspace; intellectual property; performance rights; songwriting and personal appearance contracts; trademarks; and other relevant topics.

3/0/0

ETC 222 Entertainment Tech Field Experience 3 cr.

This course provides students with opportunities to work in a selected field for course credits. It includes at least 200 hours of tech field experience on the job in Entertainment Technologies professional setting. The students will fulfill a wide range of duties agreed to by both the student and faculty supervisor.

Prerequisite: ETS Majors – ETS 105;

ETV Majors – ETV 102

0/0/9 FA/SP/SU

ENTERTAINMENT TECHNOLOGIES: SOUND

ETS 101 Live Sound Production I 4 cr.

This course introduces the basic concepts of acoustics in sound recording and reinforcement in studios and live venues. It covers the operation and use of sound system components, consoles, amplifiers, speakers, microphones, and other equipment. It includes hands-on learning experiences in operating sound systems for live events.

3/3/0 Course fee charged

ETS 105 Recording Engineering I 4 cr.

This course provides hands-on learning experiences in the basic operation of a sound stage and recording studio. It covers audio theory; use of the console; tape and digital recording equipment; digital editing equipment; microphone placement; differentiation of microphones and their associated uses; multi-track mixing; and recording session procedures. It also includes the use of digital recording techniques and duplication.

Prerequisite: ETS 101

3/3/0 Course fee charged

ETS 225 Advanced Music Production 3 cr.

This course will introduce and teach the student how to use today's technology to create and produce music. Students will be exposed to music arrangements, pro tools techniques, music software, basic music theory, artist relations and producing live bands.

Prerequisite: ETS 105

1/4/0 Course fee charged

ENTERTAINMENT TECHNOLOGIES: VIDEO

ETV 101 TV Production (Studio) 4 cr.

This course introduces the theory and operation of the modern multi-camera television studio and control equipment for broadcast and online content. It covers types of programming and phases of production, including conception of ideas, script analysis, directing, blocking, lighting, sets, sound, graphics, and hands-on operation of equipment. Students will participate in newscasts and the creation of studio-based live talk-show productions, and produce public service announcements.

3/2/0 Course fee charged

ETV 102 TV Production (Field) 4 cr.

This course provides the student with a broader knowledge of the fundamentals of television and cinematic video production, as well as the tools needed to develop critical investigations in a variety of contemporary non-fiction forms. Students will produce and complete documentary and workshop projects, thus offering experience in project development and conceptualization, camerawork, sound recording, lighting and editing.

Prerequisite: ETV 101

3/2/0 Course fee charged

ETV 105 Editing for the Media 3 cr.

This course covers the operation of computerized digital, non-linear editing techniques. Students learn how to operate desktop, non-linear digital editors to create various forms of video for education, entertainment, special events, commercial, and industrial applications.

3/0/0 Course fee charged

FASHION DESIGN

FAD 107 Fashion Drawing 3 cr.

In this course, students will learn to croqui sketch apparel design ideas and create detailed rendered illustrations using industry standard methods and media. Technical flats, garment details and fabric rendering will be included. Students will study and review the basic front, back and side poses of the fashion figure and will complete original designed collections of illustrated garments.

1/4/0 Course fee charged

FAD 120 Apparel Construction 4 cr.

This course is the study of the fundamentals of apparel construction methods. Students will become familiar with construction terminology, lab equipment and production techniques. A sample book of various industrial construction methods will be developed. Students will create and assemble an original garment design.

2/4/0 Course fee charged

FAD 131 Fashion Research Methods 3 cr.

This course explores the processes of first hand research and visual documentation methods for fashion concepts and development. Students will record their observational findings in a journal and build on these concepts to create industry standard visual presentations. Resources for exploration include museum visits, trend and forecasting reports, pop-culture, community, architecture and natural environment. Students will respond to their research by developing presentations on color, fabric and fashion styling trends.

3/0/0 Course fee charged

FAD 135 Introduction to Textiles 3 cr.

This course introduces textile materials and processes pertinent to apparel design and development and emphasizes textiles currently used in the apparel industry. It focuses on fibers, yarns and textile structures and textile styling and advances in technology.

3/0/0 Course fee charged

FAD 142 Pattern Development 4 cr.

This course introduces flat pattern methods for drafting and designing of basic apparel. Draping will be introduced and completed original ensembles will be constructed.

Prerequisite: FAD 120 with a minimum grade of "C" or better

3/3/0 SP Course fee charged

FAD 144 History of Fashion Design 3 cr.

This course will introduce students to the historical evolution of fashion design, tracing clothing origins from the ancient world of Egypt, Greece and Rome and continuing to modern times. The importance of clothing as a record of lifestyle, culture, politics and social economic conditions will be discussed. Attention will be given to aesthetics of past styles and the influences that inspire contemporary fashion.

3/0/0

FAD 155 Fashion Merchandising 3 cr.

This course introduces students to essential concepts in the practice of profitable fashion merchandising. Students will learn and apply fundamental tools of the trade including online and retail store buying aspects, introduction to retail pricing, merchandise inventory and marketing.

3/0/0

FAD 160 Fashion Technology 3 cr.

This course introduces students to computer technology that is currently used in the Fashion Industry. Using computer software students will create flat technical drawings and presentations. Correct terminology will be taught to analyze and create development packages for overseas manufacturing.

3/0/0 Course fee charged

FAD 162 Photoshop Techniques for Fashion 3 cr.

This course will allow students to learn the basic tools and techniques using industry standard Adobe Photoshop software for the fashion industry. Students will learn to build skills while developing fashion, color and fabric trend visual reports that will be presented in a digital format for social media, portfolio and communication within the fashion industry.

3/0/0 SP Course fee charged

FAD 222 Fashion Design Collection 4 cr.

In this course, students will use primary and secondary research to develop original design plans for a variety of projects. The design process will include croqui sketches, rendered fashion illustrations, fitted muslin prototypes, fabric selection and completed garments. Each step of the design process will be documented.

Prerequisite: FAD 142, FAD 107

2/4/0 Course fee charged

FIRE SCIENCE

FSC 101 Introduction to Fire Science 7 cr.

This course will provide the training, knowledge and skills necessary to meet the minimum requirements to safely perform as an entry-level firefighter operating under direct supervision. The course follows NFPA 1001 (Standard for Fire Fighter Professional Qualifications). Hazardous Material Awareness and Operations, Incident Management System Orientation (I-100/700) and CPR are included as part of the course. Students completing the course will be eligible to apply for NJ Division of Fire Safety Firefighter I certification (including ProBoard/IFSAC certification).

5/4/0 Course fee charged

FSC 102 Fire Department Organization and Management 4 cr.

This course is designed to introduce firefighters and company officers to essential and innovative management, leadership and human relations methods. This course is also appropriate for training officers responsible for teaching and developing fire officers and officer candidates. Knowledge of essential firefighting skills is assumed. The course curriculum corresponds to the requirements in NFPA 1021 (Professional Qualifications) for Level I in personnel and fire ground management. The supervisory addresses issues related to human relations such as equal opportunity employment, professional development, employee health and safety, and the officer's legal responsibilities to the employees and the community. Successful completion of this course is a part of the requirements to apply for and obtain NJ Division of Fire Safety Fire Officer I certification (including ProBoard/IFSAC certification).

Prerequisite: FSC 101

4/0/0 Course fee charged

FSC 103 Fire Detection and Suppression Systems 3 cr.

This course provides a technical study of typical automatic signaling and detection devices and special hazard fire suppression systems. Topics covered include hazard analysis, hardware, hydraulic calculations, system specifications, and code compliance relative to design criteria and final acceptance.

3/0/0 Course fee charged

FSC 201 Fire Service Construction Principles 4 cr.

This course provides a fundamental understanding of construction principles of concern to fire service personnel. The course will discuss construction materials such as wood, masonry, concrete, and steel as it relates to building design criteria and material behavior as it relates to fire service operations. Topics to be covered include construction principles and terminology, wood and ordinary construction, garden apartments and other protected structures, smoke and fire containment, truss construction, rack storage facilities, and buildings with sprinklers.

Prerequisite: FSC 101

4/0/0 Course fee charged

FSC 202 Tactics and Strategies 3 cr.

This course is designed to meet the needs of firefighters looking to gain the knowledge of the operation of fire suppression companies in structural firefighting. Student will perform an analysis of the nature of fire problems and the selection of initial strategies and tactics including an in-depth study of efficient and effective use of manpower and equipment to mitigate the emergency. The students will: identify potential scenarios in various fire situations; implement strategies and tactics; and describe components of the incident management system. Students will demonstrate that course objectives have been met through the use of class discussions and test taking, including a live burn practical evolution. Essential firefighting skills and an understanding of the incident command system are assumed.

Prerequisite: FSC 101

3/0/0 Course fee charged

FSC 204 Fire Inspector Certification 6 cr.

This course is designed to ensure that students are competent in the basics of fire code enforcement. The student will become familiar with the New Jersey Uniform Fire Code, including the 2006 International Fire Code-New Jersey Edition and other reference standards. The students will be prepared to take the International Code Council Fire Inspector Test, based upon the 2006 International Fire Code the 2006 International Building codes, as required for NJ Division of Fire Safety (includes ProBoard/IFSAC) certification. The program will consist of classroom lecture and field work. Students should have some knowledge of building construction and fire detection and suppression systems.

Prerequisite: FSC 101

6/0/0 Course fee charged

FRENCH

FRE 101 Elementary French I 3 cr.

This course is for students with no knowledge of French. It focuses on laying a foundation for speaking, reading, and writing French.

3/0/0 FA/SP

FRE 102 Elementary French II 3 cr.

This course is for students with limited knowledge of French. It focuses on building upon demonstrated skills in speaking, reading, and writing French.

Prerequisite: FRE 101 or one year of high school French

3/0/0 FA/SP

FRE 201 Intermediate French I 3 cr.

This course focuses on speaking French. Class discussion is based on the reading of selected short stories, plays, and novels. It reinforces grammar and composition skills.

Prerequisite: FRE 102 or two years of high school French

3/0/0

FRE 202 Intermediate French II 3 cr.

This course continues the emphasis on speaking French. Class discussion is based on the reading of selected short stories, plays, and novels. It reviews grammar and composition skills.

Prerequisite: FRE 201

3/0/0

FOOD SERVICE MANAGEMENT

FSM 125 Food Service Sanitation and Accident Prevention 2 cr.

This course focuses on food safety information including food-borne illness; pest management; sanitation regulations; safe food storage; cleaning programs; accident prevention and safety; emergency actions; and crisis management.

2/0/0

FSM 215 Elementary Nutrition 2 cr.

This course focuses on the basic concepts of nutrition. It focuses on a healthy lifestyle with an emphasis on personal nutrition; pregnancy; children; weight management; exercise; vegetarian eating; heart disease; cancer; diabetes; healthy recipe and menu planning; nutrition misinformation; and marketing nutrition in food service.

2/0/0

GEOGRAPHY

GEO 102 Principles of Geography 3 cr.

This course is a survey of geography, including place names, climate, land forms, and peoples. It covers the implications of historical geography, economics, and political systems.

3/0/0 FA/SP

GEOSPATIAL TECHNOLOGY

GIS 101 Fundamentals of Geographic Information Systems (GIS) 3 cr.

This introductory course includes an overview of maps and computer systems; a look at models for attribute and spatial data; the organization of information in a GIS; how a GIS can be used; and future trends for this technology. Geographic Information Systems (GIS) deals with the development and use of maps and data. GIS integrates the display capabilities of a computerized map with the information management tools of a spreadsheet.

3/0/0 Course fee charged

GIS 160 Introduction to Mapping and Geographic Information Systems (GIS) 3 cr.

This course will serve as an introduction to the science of mapping and the analysis of geographic data. Students will understand the value and relevance of geographic data and how it can be interpreted through the portrayal of maps. Students will also utilize geographic information systems to compile and present geographic data.

3/0/0 FA/SP Course fee charged

GIS 201 Advanced Applications in Geographic Information Systems 3 cr.

This course provides skills and knowledge to explore problems using a GIS. Students learn how to convert data to digital format; import digital data; edit digital data; create and manipulate databases; analyze spatial relationships; provide map outputs; and create program user interfaces.

Prerequisite: GIS 101

3/0/0 Course fee charged

GIS 202 Fundamentals of Remote Sensing 3 cr.

This course focuses on the principles of remote sensing and image processing and their applications. It concentrates on aerial photography, but includes satellite imagery. It details the physical principle upon which a variety of photographic and non-photographic sensors operate, describes the existing satellite systems used for remote sensing, describes the principles behind image interpretation, and provides instruction with computer programs.

Prerequisite: GIS 101

3/0/0 Course fee charged

GIS 203 Fundamentals of Global Positioning System (GPS) 3 cr.

This course introduces the Global Positioning System (GPS), including the conceptual basis for GPS and hands-on operation of the technology, including computer interfaces, GIS software, and real-world applications.

Prerequisite or Corequisite: GIS 101

2/2/0 Course fee charged

GIS 293 Geospatial Technology Projects/Internship III 3 cr.

This course enables students to complete a series of projects supervised by a faculty member or to complete an internship with a company or government agency. Both options provide experience in using GIS, GPS, and remote sensing technologies together to solve a variety of problems in areas such as mapping; marketing; environmental studies; town and regional planning; and facility management. Student use GIS, GPS, and image processing software to complete projects during the semester.

Prerequisite: Permission of the instructor

Course fee charged

GERMAN

GER 101 Elementary German I 3 cr.

This course is designed for students with no knowledge of the language. Training is designed to lay a foundation for speaking, writing, and reading the language.

3/0/0

GER 102 Elementary German II 3 cr.

This course is for students with limited knowledge of the language. Training is designed to build on demonstrated skills in speaking, writing, and reading the language.

3/0/0

GER 201 Intermediate German I 3 cr.

This course focuses on speaking German. Class discussion is based on cultural readings from the German-speaking world. There is intensive grammar study and composition work.

Prerequisite: GER 102 or two years of high school

German or permission

3/0/0

GLOBAL STUDIES

GLS 101 Introduction to Global Studies 3 cr.

This course is an introduction to the interdisciplinary field of Global Studies drawing from a wide range of disciplines such as Anthropology, Geography, Political Science, Sociology, and Economics. It is meant to introduce students to the variety of approaches to international topics in the Social Sciences. The course is both interdisciplinary and multidisciplinary, as students will understand how different disciplines approach global problems and questions, as well as how different disciplines connect with one another or contradict one another in terms of methods and goals. The course will introduce students to major issues in world affairs including poverty, population, environment, armed conflicts, international law and organizations, transnational crime and disease, and processes of globalization in a variety of forms. The main course objective is to provide students with an understanding of the intellectual, cultural, political and economic issues that mark the contemporary processes of globalization. Understanding the global forces that both unite and separate world citizens, students need to develop the global competencies, skills, and understanding to make sense of the highly integrated and interdependent world we live in today.

3/0/0 FA

GRAPHIC DESIGN AND DIGITAL MEDIA

Lab/studio art courses require students to purchase materials with costs ranging from \$50 to \$150 per semester.

GDD 101 Introduction to Computer Graphics 3 cr.

This course introduces the elements and principles of graphic design. It explores industry design software in the Macintosh environment and how to use the computer as an artistic tool.

3/0/0 FA/SP Course fee charged

GDD 110 Graphic Design I 3 cr.

This course presents the basic principles of graphic design and explores them through problem-solving assignments. It gives an overview of the graphic design field and professional working methods. It emphasizes the development of strong conceptual content and solid craftsmanship in design execution.

Prerequisite: GDD 101

3/0/0 FA/SP Course fee charged

GDD 112 Illustration 3 cr.

This course focuses on the basic principles of illustration such as color, form, composition, as well as concept development and communication. It presents the history of illustration and its importance in graphic design. Assignments focus on the creation of original artwork through traditional and digital media, including scans, vector-based, and pixel-based software.

Prerequisite: ART 120, GDD 101

3/0/0 Course fee charged

GDD 115 Typography 3 cr.

This course focuses on the basic principles of typography as an art form and its place and importance in graphic design. It also presents the history of typography and type classification as well as letterforms.

Prerequisite: GDD 101

3/0/0 Course fee charged

GDD 214 Graphic Design II 3 cr.

This course builds on the information in GDD 110. It emphasizes advanced visual problem-solving with digital media from concept development to final presentation.

Prerequisite: GDD 110, ART 110

3/0/0 Course fee charged

GDD 220 Portfolio 3 cr.

This course has students develop a portfolio for professional practice as a graphic designer from new assignments and from the refinement of work completed in previous courses. It addresses career options, portfolio presentation, resume writing, and professional practices. This course should be taken last in the GDD program.

Prerequisite: GDD 115, GDD 214

3/0/0 SP Course fee charged

GDD 221 Web Design I 3 cr.

This course introduces design concepts and techniques applicable to the World Wide Web, with an emphasis on the visual problem-solving process. It examines the creative possibilities as well as the technical aspects of web design as students learn to prepare pages for the Internet environment. It uses state-of-the-art 2D and 3D web design software.

Prerequisite: GDD 110

3/0/0 Course fee charged

GDD 225 History of Graphic Design 3 cr.

This course surveys the history of graphic design from the beginning of visual communication to the onset of the digital age. Students will study the cultural, economic and political impact of graphic design throughout history.

3/0/0

GDD 317 Publication Layout and Design 3 cr.

This course focuses on the design, layout and conceptual composition of publications such as brochures, magazines, newspaper pages, fliers and advertisements. Students will learn how to integrate imagery and artwork with typographic elements through hands-on projects and workshop-type demonstrations. Students will be guided in developing creative compositions in order to increase the effectiveness of communication. Industry-standard design software will be utilized to create effective layouts.

Prerequisite: Admission to 3+1 Applied Professional Communications Program

3/0/0 FA/SP Course fee charged

HEALTH AND WELLNESS**HWP 101 Introduction to Health and Wellness Promotion 3 cr.**

This course is based on the concepts outlined in "Healthy People 2020" the nationwide health improvement priorities identified to increase public awareness and understanding of health, disease and disability as well as opportunities for prevention and improvement. It provides an introduction to health and disease, health promotion and the continuum of health and wellness. Strategies to introduce the public to health disparities as well as strategies for improvement are covered.

3/0/0

HWP 103 ECG Application 3 cr.

This course provides the learner with basic information on the electrical conduction of the cardiac system and the monitoring equipment involved in patient assessment. Basic wave form interpretation is included as well as weekly hands on practice in a skills lab setting. Students perform ECG in the lab setting on volunteers and at the end of the course are eligible to sit for certification as an ECG technician.

2/3/0

HWP 110 Introduction to Exercise Science 3 cr.

This course examines the fundamental components of physical fitness and how exercise and lifestyle affects health and wellness. Topics include the principles of exercise, development of an exercise program, fitness assessment, components of fitness, exercise and special conditions. The relationship between individual lifestyle choices and personal health are discussed.

3/0/0

HEALTH INFORMATION MANAGEMENT**HIM 101 Introduction to the Medical Office 3 cr.**

This course introduces the student to the medical office and medical professionals. It covers records management, medical communications, scheduling skills, and describes procedures for preparing patients' charts and bills. This is a foundation course for the Medical Billing Specialist Certificate. Students will receive hands-on practice with a simulated electronic health records system. Computer and internet is required.

3/0/0 FA

HIM 110 Human Body in Health & Disease 3 cr.

This course provides an overview of the anatomy and physiology of the eleven major organ systems of the human body. Common diseases, disorders and the effects of aging will be discussed as they pertain to each system. This course is intended for allied health majors.

3/0/0 FA/SP

HIM 200 Billing & Claims Processing 3 cr.

This course will provide students with an understanding necessary for claims processing and billing regulations. It will introduce students to various third-party payers and the claims processing required for each. Students will develop the ability to appeal denied and underpaid insurance claims. Students will learn hands-on utilizing paper and electronic software. Computer and internet access is required.

Prerequisite: HIM 101, HIT 115, HIM 110 or BIO 114 (or higher level BIO 212)

3/0/0 FA/SP

HEALTH INFORMATION TECHNOLOGY**HIT 102 Introduction to Health Information Technology 3 cr.**

This course is an overview of the organization of health care in the United States. It addresses the structure of healthcare organizations; accrediting and governmental bodies that provide standards for the provision of health care to include the current flow of the acute care medical record. It introduces the allied health professions and the organizational structure of the medical staff and its composite members. It focuses on an overview of payer organizations including, but not limited to, managed care and capitation; the health information management profession's history; current structure and career potentials; and projected future roles. This course utilizes specialized software for hands on practice with an electronic health record.

Prerequisite: Admission in Health Information Technology (AAS.HIT) Program

3/0/0

HIT 103 Legal Aspects of Health Information 3 cr.

This course focuses on the legal aspects of the health record, health information, and the health information department. It emphasizes the implications of legal aspects for the health information practitioner; gives an in-depth study of the confidentiality of health information as well as the standards, regulations, and laws that govern the release of health information. It also covers how to monitor and implement legal changes, liability issues, and the risk management function.

3/0/0

HIT 106 Medical Terminology 3 cr.

This course is the study of medical terminology, the language of medicine, focusing on prefixes, suffixes, word roots and their combining forms by review of each body system and specialty area. It also emphasizes word construction, spelling, usage, comprehension and pronunciation. In addition, students gain information regarding anatomy and physiology, symptomatology, pathology and abbreviations. This course utilizes a publisher based online learning system and commuter access is required for BOTH in class and distance learning courses.

3/0/0 FA/SP/SU

HIT 115 Pathophysiology 3 cr.

This course focuses on the mechanisms of disease and disease effects on the human body. It emphasizes the disease process, basic concepts, terminology, the most common diseases of each body system, with normal anatomy and physiology compared to pathologic anatomy and physiologic malfunctioning due to the disease process. It also covers diagnostic methods, management, treatment modalities, and prognosis.

Prerequisite or Corequisite: HIM 110 or BIO 114 (or higher level BIO 212)

3/0/0

HIT 117 Pharmacology 3 cr.

This course provides a framework of thinking for healthcare professionals, laying a foundation of knowledge about drug treatment. It focuses on a general understanding of the actions and reasons for use of various groups of pharmacologic agents. It discusses medications according to major drug classifications and body systems. It develops critical thinking through the use of relevant case studies and actual chart analysis.

Prerequisite or Corequisite: HIM 110 or BIO 114 (or higher level BIO 212)

3/0/0

HIT 118 Introduction to Coding 3 cr.

This course is an introduction to ICD-10-CM, ICD-10-PCS, HCPCS, and CPT-4. It covers the history of coding, coding principles and guidelines, various coding reference books, and the clinical documentation improvement process.

Prerequisite: HIM 110 or BIO 114; HIT 115

3/0/0 FA/SU

HIT 120 Introduction to Healthcare and Public Health 3 cr.

A survey of how healthcare and public health are organized and services delivered in the US. It covers public policy; relevant organizations and their interrelationships; professional roles; legal and regulatory issues; and payment systems. It also addresses health reform initiatives in the US. It discusses how care is organized within a practice setting, privacy laws, and professional and ethical issues encountered in the workplace.

3/0/0 Course fee charged

HIT 121 Introduction to Health IT 3 cr.

This course provides a basic overview of computer architecture; data organization, representation and structure; structure of programming languages; networking and data communication. It traces the development of IT systems in health care and public health, beginning with the experiments of the 1950s and 1960s and culminating in the HITECH act, including the introduction of the concept of "meaningful use" of electronic health records.

3/0/0 Course fee charged

HIT 205 HCPCS Coding (CPT-4) 3 cr.

In this course students will learn how to utilize the CPT and HCPCS manuals to code for physician procedures and services. It will focus on practical application utilizing in-patient and ambulatory records. In depth focus of each body system, section of the CPT manual, the coding guidelines and references specific to each chapter. Students will be introduced to computerized coding software.

Prerequisite: HIT 115, HIT 118, HIM 110 or BIO 114 (or higher level BIO 212)

3/0/0

HIT 209 ICD-10-CM Coding 3 cr.

This course focuses on disease coding with the International Classification of Diseases 10th Edition, Clinical Modification (ICD-10-CM). It covers coding principles; conventions; clinical and technical guidelines; maintenance and referencing resources. It also emphasizes the review of medical records to identify diagnoses treated, and/or services performed, and the correct sequencing for optimal reimbursement.

Prerequisite: HIT 115, HIT 118, HIM 110 or BIO 114 (or higher level BIO 212)

3/0/0

HIT 210 ICD-10-PCS Coding 3 cr.

This course focuses on procedure coding with the International Classification of Diseases Procedural Coding System (ICD-10-PCS). A review of each of the sections of the procedural coding systems is included. It also emphasizes the review of medical records to identify diagnoses treated, and/or services performed, and the correct sequencing for optimal reimbursement. Students will be introduced to computerized coding software.

Prerequisite: HIT 115; HIT 117; HIM110 or BIO 114 (or higher level BIO 212)

3/0/0

HIT 211 Reimbursement Methodologies 3 cr.

This course presents Third Party Payer and Compliance/Auditing Issues, Correct Coding Policy, and Government Prospective Payment Systems (e.g. RBRVS, APC, DRG, RUG). Students learn terminology and principles commonly applied in the Managed Care environment. Students conduct a review of billing practices, applying the compliance guidelines introduced in the course.

Prerequisite: HIT 209

Prerequisite or Corequisite: HIT 205, HIT 210

3/0/0

HIT 212 Professional Practice Experience 2 cr.

This course is designed to reinforce didactic instruction and has a 45-hour professional practice at a healthcare facility and 45 hours of coding simulation designed to replicate activities that could take place in the healthcare environment. The PPE will relate to higher level competencies and result in a learning experience for the student and/or a deliverable to a practice site. Students are required to have a complete physical including vaccinations, PPD, Flu Shot, drug testing (if applicable), health insurance and a CLEAR Criminal History Background Check prior to placement.

Prerequisite: HIT 205, HIT 209

Corequisite: HIT 210

Corequisite or Prerequisite: HIT 220
0/0/7

HIT 220 Management Concepts in Healthcare 3 cr.

This course introduces fundamental leadership and management methodologies. It covers organizational change, workforce training, and statistical and financial management processes. It also emphasizes incorporating cultural diversity and ethical standards of practice into the health information management workplace.

3/0/0

HIT 224 Healthcare Information Systems 3 cr.

This course is an intensive study of medical information systems. Students acquire an understanding of health information systems and the application of those systems in the healthcare environment. Security and confidentiality of information stored in the computer-based patient record will be addressed, as well as the logistics of monitoring and utilizing the information. This course utilizes specialized educational software for hands on practice with an electronic health record.

Prerequisite: CIS 161

3/0/0

HIT 225 Mastering an Electronic Health Record 3 cr.

This course includes both distance learning and hands-on exercises to provide an introduction into healthcare informatics. It focuses on responsibilities associated with careers in the electronic health record profession. The course demonstrates clinical workflow using Medical Information Technology, INC (MEDITECH) Electronic Health Record (EHR) software. It will provide students with an understanding of the impact of EHR's on a healthcare setting. This course requires two mandatory LIVE online sessions for hands-on practice and discussion.

3/0/0

HIT 228 Fundamentals of Health IT Workflow Process 3 cr.

This course includes the fundamentals of health workflow process analysis and redesign is a necessary component of complete practice automation and includes topics of process validation and change management. It also introduces the concepts of health IT and practice workflow redesign as instruments of quality improvement. It addresses establishing a culture that supports increased quality and safety, and discusses approaches to assessing patient safety issues and implementing quality management and reporting through electronic systems. A discussion of rapid prototyping, user-centered design and evaluation, usability; understanding effects of new technology and workflow on downstream processes; facilitation of a unit-wide focus group or simulation will also be included in this course.

Prerequisite: HIT 105, HIT 120, HIT 121

3/0/0 Course fee charged

HIT 229 Health IT Project Management 4 cr.

This course provides an understanding of project management tools and techniques that result in the ability to create and follow a project management plan. This course develops the skills necessary to communicate effectively across the full range of roles that will be encountered in healthcare and public health settings. It helps prepare students for leadership roles, principles of leadership and effective management of teams with emphasis on the leadership modes and styles best suited to IT deployment.

Prerequisite: HIT 105, HIT 120, HIT 121

4/0/0 Course fee charged

HIT 230 Training and Instructional Design in Healthcare 4 cr.

This course develops the skills necessary to communicate effectively across the full range of roles that will be encountered in healthcare and public health settings. It also provides an overview of learning management systems, instructional design software tools, teaching techniques and strategies, evaluation of learner competencies, maintenance of training records, and measurement of training program effectiveness.

Prerequisite: HIT 105, HIT 120, HIT 121

4/0/0 Course fee charged

HIT 250 Healthcare Informatics Internship 2 cr.

This course provides supervised internship in a healthcare related IT department (90 hours). Objectives are designed to focus the student on activities related to the electronic health record, fostering development of observational skills, demonstrate knowledge of workflow, problem analysis and solution, as well as integration of a range of technical knowledge and skills previously acquired.

Prerequisite: Program Signature Required

0/0/6

HISTORY

HIS 101 United States History I 3 cr.

This course examines the political, economic, social and military history of the United States from its beginnings through Reconstruction.

Prerequisite or Corequisite: ENG 101

3/0/0 FA/SP/SU

HIS 102 United States History II 3 cr.

This course focuses on the political, economic, social, and military history of the United States since Reconstruction.

Prerequisite or Corequisite: ENG 101

3/0/0 FA/SP/SU

HIS 103 Ancient and Medieval Foundations of Western Civilization 3 cr.

This course examines the evolution of Western culture from the Stone Age to the end of the Thirty Years War. It emphasizes the medieval and early modern periods.

Prerequisite or Corequisite: ENG 101

3/0/0 FA/SP/SU

HIS 104 Modern European History 3 cr.

This course is an appraisal of the enduring values of western civilization. It focuses on the power politics; scientific, political, and industrial revolutions from their origins in the seventeenth century to the 20th century.

Prerequisite or Corequisite: ENG 101

3/0/0 FA/SP/SU

HIS 106 World History II 3 cr.

This course examines the key changes in the patterns of interaction among the world's major cultures and Empires from the beginnings of European expansion in the 1500's. The course covers the roots of major Eastern Empires, European expansion, the rise of the nation state, Imperialism, WWI and WWII, and the emergence of a non-aligned countries during the Cold War..

Prerequisite: ENG 101

3/0/0

HIS 212 The American Civil War 3 cr.

This course examines the causes, character, and consequences of the American Civil War. It identifies the multiple origins of the conflict; the cost to the nation socially, economically, politically; and militarily; and demonstrates the impact it has had upon the twentieth century.

Prerequisite: HIS 101 and ENG 101

3/0/0

HIS 213 Genocide 3 cr.

This course presents the history of intolerance and bigotry through an analysis of genocide. Human rights violations and challenges to social justice will be analyzed and students will witness how such consequences lead to acts of atrocity. Recognition and prevention will be discussed through issues of conscience, ethics, and moral responsibility. Students will participate in independent and collaborative activities while surveying and analyzing the history of genocide (from Namibia and Armenia to Rwanda and Darfur).

3/0/0

HIS 215 Renaissance and Reformation 3 cr.

This course deals with two distinct upheavals that took place in Western Europe between 1300 and 1700. The first investigates the Renaissance-its classical bases; its characteristics and developments in the various arts; and the major figures involved in those areas. The second concentrates on the Reformation - its precedents in Christian church history; theological ideas proposed by various Protestant reformers; and the Roman Catholic reaction to the upheaval. Long-term results of both movements will be covered.

Prerequisite: HIS 103

3/0/0

HIS 230 Islamic Civilization 3 cr.

This course introduces the history, culture and art of Islam from the 7th century to the present. It examines the historical development, spread and significance of Islam as a religious, social and political force.

3/0/0

HIS 266 African-American History I 3 cr.

This course examines the economic, political, and social history of African people from seventeenth century west Africa through the Atlantic Slave Trade; colonial and antebellum America; the Civil War; and Reconstruction up to 1877.

Prerequisite: ENG 101

3/0/0 FA

HIS 267 African-American History II 3 cr.

This course focuses on the political, economic, cultural, and social evolution of African Americans from America's Reconstruction period to the present.

Prerequisite: ENG 101

3/0/0

HOSPITALITY

HOS 110 Introduction to Hospitality 3 cr.

This introductory course will provide a general overview introduction to the hospitality, travel and tourism industry. In addition, the course will provide students a basic success map so they can evaluate, prepare, and plan for their future success in the hospitality field. The success map will include job evaluation techniques, resume writing, case management studies, the importance of lifelong learning, and basic job success skills.

3/0/0

HOS 120 Service Management 4 cr.

This course provides an overview of managing guest experiences in all sectors of hospitality. This is a hands-on course that runs the front of the house operation in our student restaurant.

2/4/0 FA/SP Course fee charged

HOS 160 Accounting for Hospitality 3 cr.

This course will outline the basic hospitality accounting rules and discuss topics specific to hotel and hospitality accounting practices.

Prerequisite: MTH 075 or higher

3/0/0 FA/SP

HOS 225 Hotel Operations 3 cr.

This course is designed to provide the students with a general understanding of the daily operations of the lodging industry, and specifically the operations and management of full service hotels and resorts.

Prerequisite: HOS 110

3/0/0

HOS 235 Ecotourism Destinations with a New Jersey Focus 3 cr.

This course will discuss the rise of ecotourism as a sub-development of hospitality. The course will have a strong focus on New Jersey tourism development in this area.

Prerequisite: HOS 110

3/0/0

HOS 250 Hospitality Human Resource Management 3 cr.

This course is designed to provide students the tools to hire, develop, and manage talent in the rapidly changing hospitality industry. Students will develop skills in workforce planning, recruitment, training, labor relations, diversity, and benefits management.

Prerequisite: HOS 110

3/0/0

HUMAN SERVICES

HUS 101 Human Services I 3 cr.

This introductory course offers an overview of helping strategies and interventions with attention to principles, methodology, practitioner skills and knowledge. It addresses social issues and problems and the attendant service systems of social care, social control, and social rehabilitation. It introduces the fields of human services, social work, counseling and case management. It emphasizes legal issues of the human services profession.

3/0/0 Course fee charged

HUS 102 Human Services II 3 cr.

This course introduces students in the human services, public administration, criminal justice, childcare, gerontology, and related curricula to intervention skills and activities and their uses in working with others. It examines ethical dilemmas in the helping professions.

Prerequisite: HUS 101

3/0/0 Course fee charged

HUS 110 Contemporary Issues in Social Welfare 3 cr.

This course defines and discusses issues from various aspects of social service practice. It proposes and analyzes intervention methodologies and solutions for problems such as family violence; mental health and chemical dependency; foster care; adoption; delinquency; and crime. It prepares students to work with diverse populations as helping professionals.

3/0/0 Course fee charged

HUS 201 Introduction to Counseling 3 cr.

This course examines the theoretical foundations and various counseling styles and techniques. It develops student skills in the understanding of developmental, nondirective, psychodynamic, transactional and other approaches to individual, marital, and family counseling. It examines the characteristics of a workable counseling relationship.

3/0/0 Course fee charged

HUS 205 Social Work Process 3 cr.

This course surveys practices, concepts, methods, and current trends in human service work. It stresses basic skills inherent in casework, group work, and community organization. It examines methods of data collection used by a variety of social service agencies. It utilizes a strength-based empowerment approach and emphasizes skills for working with older adults and persons with developmental disabilities.

3/0/0 Course fee charged

HUS 207 Addiction Dynamics and Interventions 3 cr.

This course provides a working knowledge of the helping process as it applies to drug and alcohol counseling. It focuses on assessment and diagnostic skills; the pharmacology of commonly abused substances; appropriate goals and treatment plans; individual, group and family treatment approaches; the levels of care available to drug and alcohol clients and their families; current research, trends and success rates in treatment; the impact of sex, age, and ethnicity on the treatment process; the ethical guidelines of practice; and the American Psychiatric Association's diagnostic criteria for substance use disorders and their relationship to other mental health disorders. It also covers the procedure for applying for state, national and international drug and alcohol counselor certification.

3/0/0 Course fee charged

HUS 210 Human Services Field Placement 3 cr.

This course places students in a social service agency for eight hours per week for fourteen consecutive weeks to perform tasks and engage in learning activities associated with acquiring professional standards, behaviors, and conduct. Students are supervised by a faculty member and field supervisor and are expected to attend a weekly seminar to discuss their experiences and observations. Students learn how to prepare for clinical supervision and complete a professional portfolio.

Prerequisite: HUS 205

2/0/8 Course fee charged

INCLUSIVE EDUCATION

Please note these courses are for the 3+1 Inclusive Education program only.

INCL 02310 STREAM I Social Studies, English Language Arts and the Arts 2 cr.

This course explores the use of established elementary education content standards and pedagogical methods in social studies, English/language arts, and the fine arts, and how interdisciplinary, thematic units of inquiry facilitate meeting those standards. Students apply current research on how children learn and on effective teaching methods in social studies, English/language arts, and the fine arts. Students also apply instructional knowledge and skills they are developing related to inquiry-based, interdisciplinary instruction, assessment, and differentiation in the corequisite STREAM I Clinical Experience.

Corequisite: INCL 02315, READ 30351

Prerequisite: INCL 02330, Admission to 3+1 Inclusive Education Program
2/0/0 SP

INCL 02315 STREAM I Clinical Experience 1 cr.

This clinical experience supports two co-requisite courses and provides a clinical classroom for candidates to apply their knowledge of elementary education content standards in Humanities-based areas of Social Studies, English Language Arts, and the Fine Arts and how interdisciplinary, thematic units of inquiry facilitate meeting those standards. Students apply research on the way children learn and effective teaching in Social Studies, English Language Arts, and the Fine Arts, as well as instructional knowledge and skills they are developing related to inquiry-based instruction, assessment, and differentiating that instruction for elementary students. Building on school district materials and mandates, teacher candidates plan, teach, and assess an interdisciplinary unit of inquiry, which reflects candidates' understanding of appropriate content and pedagogy in the Humanities as appropriate for the assigned clinical classroom. Teacher candidates will also review, administer as appropriate, and reflect on the results of varied assessments of student learning that are typically used in that classroom. (This clinical practice requires 56 hours of field experience or one day per week for 8 weeks)

Corequisite: INCL 02310; READ 30351

Prerequisite: EDU 210; INCL 02330;
Admission to 3+1 Inclusive Education Program
0/0/4 SP Course fee charged

INCL 02322 Science Inquiry & Methods for the Inclusive Classroom 3 cr.

This course focuses on assessment practices in science education and developing instructional strategies for teaching science content as a means for achieving scientific literacy and understanding scientific inquiry. Candidates will explore strands of science including Nature of Science, Science as Inquiry, and Science Outreach and Resources, as well as Technology & Engineering for Elementary teaching. Candidates will be exposed to a variety of high leverage practices and science curricula with an emphasis on integrated instruction in a community context and meeting the unique needs of all learners.

Prerequisite: Admission to 3+1 Inclusive Education Program; INCL 02330; INCL 02351; INCL 09432

Corequisite: INCL 02323; INCL 02352; SPED 80307
3/0/0 SP

INCL 02323 Social Studies Methods for the Inclusive Classroom 3 cr.

The course focuses on engaging prospective teachers in inclusive social studies pedagogy in the K-6 inclusive elementary classroom. The course will equip students with instructional models that will prepare them to teach history and social sciences integrated with other subjects in the inclusive elementary classroom. This course will emphasize how prospective teachers might build inclusive social studies assessments using standards from the National Council for Social Studies and the Common Core State Standards. This course is a required course for students enrolled in the B.A. in Inclusive Education major.

Prerequisite: Admission to 3+1 Inclusive Education Program; EDU 215; INCL 02330;

Corequisite: INCL 02352
3/0/0 SP

INCL 02325 Mathematics Strategies in the Inclusive Education Classroom 2 cr.

This course is designed to help teacher candidates prepare to teach mathematics in diverse, inclusive elementary classrooms. In order to do that, this course will focus on teaching through inquiry and problem solving, using appropriate interventions, and shaping the learning environment. The co-requisite STREAM practicum/clinical experience should be considered a laboratory for this course, where teacher candidates observe, reflect, question, and make connections to what is discussed in class in terms of both content and pedagogy.

Prerequisite: INCL 02330; MTH 211 with a minimum grade of "B-" or better; MTH 212 with a minimum grade of "B-" or better

Corequisite: INCL 02322; READ 30351
2/0/0 SP

INCL 02330 Differentiating Instruction in the Inclusive Classroom 2 cr.

This course focuses on how the diverse needs of individuals with educational disabilities/differences can be met within the general education classroom environment. Emphasis will be on communication and collaboration with parents and education professionals, understanding of linguistic and cultural differences, and utilizing instructional strategies in response to the results of differentiated assessments to meet individual needs.

Prerequisite: EDU 130;

Admission to 3+1 Inclusive Education Program
2/0/0 FA

INCL 02351 : Clinical Experience I in Inclusive Education 1 cr.

This 1 credit Clinical Experience field-based course requires approximately 1 day a week or 40 clock hours in the field and focuses on inclusive pedagogy, including: differentiating instruction, implementing principles of Universal Design for Learning and adapting curriculum and classroom environments to support diverse learners in inclusive settings. The course is designed to align with the program goals of the BA in Inclusive Education and to accompany INCL02330: Differentiating Instruction in the Inclusive Classroom. Students develop the skills and have the opportunity to implement their skills in the field to support a wide range of learners, collaborate with cooperating teachers, as well as support school-based professionals and families. They learn to implement content-rich interdisciplinary learning experiences which address the learning needs of all students, utilizing a strengths-based perspective to differentiate and adapt instruction for individual learners. The program prepares students to create communities of learning based on social justice and culturally relevant pedagogical practice. The Inclusive Clinical Experience will be designed to present students with opportunities to focus on the practice they are developing in Differentiated Instruction. This course is a required course in the B.A. in Inclusive Education program, Elementary Education specialization (K-6).

Prerequisite(s): Admission to 3+1 Inclusive Education Program; EDU 215

Corequisite(s): INCL 02330
0/0/3 FA Course fee charged

INCL 02352 Clinical Experience II in Inclusive Education 1 cr.

This 1 credit Clinical Experience field-based course requires approximately 2 days a week or 80 clock hours in the field and focuses on inclusive pedagogy, including: differentiating instruction across content areas, with a particular focus on Social Studies and Science, implementing principles of Universal Design for Learning and adapting curriculum and classroom environments to support diverse learners in inclusive settings. The course is designed to align with the program goals of the BA in Inclusive Education and to accompany INCL02323: Social Studies Methods for the Inclusive Classroom and INCL 02322: Science Inquiry and Methods for the Inclusive Classroom. Students build on the skills they have been developing in coursework and through INCL 02351: Clinical Experience I in Inclusive education and have the opportunity to implement their skills in the field to support a wide range of learners, collaborate with cooperating teachers, school-based professionals, and families. This course is a required course in the B.A. in Inclusive Education program, Elementary Education specialization (K-6).

Prerequisite: Admission to 3+1 Inclusive Education Program; INCL 02351

Corequisite: INCL 02322; INCL 02323
0/0/6 SP Course fee charged

INCL 09432 Working with Families and Communities 3 cr.

This course is designed to heighten inclusive teacher candidates' awareness of the roles that family and community have on a child's success in school. The course situates students' communities and families from an asset-based perspective, demonstrating that all children must be understood in the context of their community environment, including their families, schools, communities, and the wider society. Students will also develop skills in working effectively with diverse families in the learning community, in order to provide positive educational outcomes for children in inclusive settings.

Prerequisite: Admission to 3+1 Inclusive Education Program; EDU 215

3/0/0 FA Course fee charged

ITALIAN

ITA 101 Elementary Italian I 3 cr.

This course is for students with no knowledge of Italian. It focuses on laying a foundation for speaking, reading, and writing Italian.

3/0/0 FA

ITA 102 Elementary Italian II 3 cr.

This course is for students with limited knowledge of Italian. It focuses on building upon demonstrated skills in speaking, reading, and writing Italian.

Prerequisite: ITA 101 or one year of high school Italian

3/0/0 SP

ITA 201 Intermediate Italian I 3 cr.

This course focuses on speaking Italian. Class discussion is based on cultural readings from the Italian-speaking world. There is intensive grammar study and composition work.

Prerequisite: ITA 102 or two years of high school Italian or permission

3/0/0

ITA 202 Intermediate Italian II 3 cr.

This course focuses on achieving skill in speaking Italian. Class discussion is based on cultural readings from the Italian-speaking world. There is intensive grammar study and composition work.

Prerequisite: ITA 201 or permission

3/0/0

JOURNALISM

JOU 101 Introduction to Journalistic Writing I 3 cr.

This course introduces investigating, reporting, and writing the variety of news stories typically found in newspapers. Students practice writing news stories and also study and analyze samples of contemporary American journalism.

Prerequisite or Corequisite: ENG 101

3/0/0 FA

LITERACY EDUCATION

Please note these courses are for the 3+1 Inclusive Education program only.

READ 30311 Literacy Pedagogy I 3 cr.

This course explores the broadening nature of literacy and literacy instruction in the 21st century. The course addresses both the theory and pedagogy of literacy instruction. Topics range from emergent literacy to comprehension of narrative and expository discourse and address reading and writing instruction that engages students in the K-5 classroom. This course has a particular focus on designing literacy instruction for culturally and linguistically diverse students that positions the literacy teacher as a reflective practitioner with a focus on teaching for social justice.

Prerequisite: Admission to 3+1 Inclusive Education Program; EDU 215

3/0/0 FA

READ 30351 Literacy Pedagogy II 2 cr.

This course prepares teacher candidates to provide differentiated literacy instruction in diverse classrooms with a wide range of developmental levels, instructional needs, interests, and backgrounds. Teacher candidates will learn how to select, administer, and analyze various assessment tools to inform instruction. Field experience is required.

Corequisite: INCL 02315; INCL 023310

Prerequisite: READ 30311,
Admission to 3+1 Inclusive Education Program
2/0/0 SP

LITERATURE

LIT 203 Masterpieces of World Literature I 3 cr.

This course covers a sampling of significant literature of antiquity. The emphasis will be on reading and analyzing the origins of the allusions found in modern arts.

Prerequisite: ENG 102 or permission

3/0/0

LIT 206 Women's Literature 3 cr.

This course examines the roles assigned to women in society as reflected in poetry, short stories, novels, and autobiographical writings by women. It reflects the views of women held in different countries and at different times in the recent past.

Prerequisite: ENG 102 or permission

3/0/0

LIT 207 British Literature I 3 cr.

This course focuses on British literature from its origins to the late eighteenth century. It emphasizes critical reading and analysis of selected fiction, poetry, drama, and essays.

Prerequisite: ENG 102 or permission

3/0/0 FA

LIT 208 British Literature II 3 cr.

This course focuses on British literature from the Romantic to the contemporary period. It emphasizes critical reading and analysis of selected fiction, poetry, drama, and essays.

Prerequisite: ENG 102 or permission

3/0/0 SP

LIT 209 American Literature I 3 cr.

This course is a survey covering American literature from the Puritan period to the Civil War. It emphasizes major trends in literary development during that time span.

Prerequisite: ENG 102 or permission

3/0/0 FA

LIT 210 American Literature II 3 cr.

This course is a survey covering American literature from the Civil War to modern times. It emphasizes major trends in literary development during that time span.

Prerequisite: ENG 102 or permission

3/0/0 SP

LIT 211 Masterpieces of World Literature II 3 cr.

This course will cover both fictional and non-fiction works from the eleventh century to the present with a focus on European and non-Western traditions. Students will explore the historical, social, and cultural contexts of chosen texts in order to trace the development of modern literary genres.

Prerequisite: ENG 102
3/0/0

LIT 215 Introduction to Children's Literature 3 cr.

This survey course introduces the history, psychology, and literary techniques of quality children's literature. It emphasizes the evaluation and analysis of children's literature to assess what makes a quality piece of literature.

Prerequisite: ENG 102
3/0/0 FA/SP/SU

LIT 216 Poetry of the Holocaust 3 cr.

This course examines the poetry that reflects upon the Nazi destruction of 6,000,000 Jews during the Holocaust of World War II. The poetry is a testimony to the lost lives and the devastated souls. Poets re-create both the sorrow and the inspiration of varied Holocaust experiences. It focuses on communal and individual identity; memory; and the desire for self-representation.

3/0/0

LIT 217 The Holocaust in World Literature 3 cr.

This course examines the literature that reflects upon the extermination of 6,000,000 Jews during the Holocaust of World War II. The literature stands as testimony to the broad range of Holocaust experiences, both sorrowful and inspirational. These events are re-experienced through fiction; dramatic works; memoirs; diaries; film and guest lecturers; and artists. It includes selected works by men and women; Jews and non-Jews; figures famous and unknown; eyewitnesses, survivors, and second- and third-generation writers.

3/0/0

LIT 218 Literature and Film 3 cr.

This course explores the complex interplay between film and literature. Selected novels, short stories, and plays are analyzed in relation to film versions of the same works in order to gain an understanding of the possibilities—and problems—involved in the transposition to film.

Prerequisite: ENG 102 (or ENG 101 with permission)
3/0/0

LIT 220 Shakespeare 3 cr.

This course focuses on Shakespeare's life and times and the study of a selection of his plays: historical, comedic, and tragic.

Prerequisite: ENG 102 or permission
3/0/0

MAGNETIC RESONANCE IMAGING**MRP 110 Introduction to Magnetic Resonance Imaging (MRI) 3 cr.**

Taught through a hybrid format, the basic understanding of the operation of MRI devices will be explained. Content will provide the basic concepts of patient care, including physical and psychological needs of the patient and family. Routine and emergency care procedures are described. Basic concepts of pharmacology and venipuncture of contrast media are provided. Content provides a foundation in ethics and law related to the practice of medical imaging. In addition, MRI safety for the patient, family and self will be presented.

Prerequisite: ARRT, RT(R), ARRT, RT(NM)
Corequisite: MRP 150
3/0/0

MRP 120 MR Sectional Anatomy and Pathology 3 cr.

Taught through a hybrid format, this course begins with a review of gross anatomy. Gross anatomical structures are located and identified in axial, sagittal, coronal and orthogonal planes. Illustrations of anatomical images will be compared with MRI images in the same imaging planes. The characteristic appearance of each anatomical structure as it appears on MRI will be stressed.

Prerequisite: MRP 110
Corequisite: MRP 150
3/0/0

MRP 130 MRI Procedures 3 cr.

Content provides detailed coverage of procedure for MR imaging of adults and pediatric patients. Procedures include, but not limited to, indications for the procedure, patient education, preparation, orientation and positioning, patient history and assessment, contrast media usage, scout images, scan parameters and archiving of images. MR procedures will be taught for differentiation of specific structures, patient symptomatology and pathology. MR images studies will be reviewed for quality, and anatomy and pathology.

Prerequisite: MRP 120
Corequisite: MRP 150
3/0/0

MRP 140 MRI Physics and Equipment 3 cr.

Taught through a hybrid format, the content is designed to impart understanding of the physical principles and instrumentation involved in magnetic resonance imaging (MRI). The historical development and evolution of MRI is reviewed. Physics topics include magnetism, magnets shim systems, radiofrequency systems, gradients systems used in forming the image, data acquisition and manipulation techniques, k-space mapping and filling, fast Fourier transformation and post processing techniques will be explained. MRI systems and operations will be explored with full coverage of the imaging parameters and imaging options to include image quality, contrast, artifacts, and quality assurance.

Prerequisite: MRP 130
Corequisite: MRP 150
3/0/0

MRP 150 MRI Clinical Education I 3 cr.

Clinical education consists of 120 hours in an affiliate hospital or imaging center. It is designed to enable the student to achieve the competencies necessary to meet the ARRT eligibility requirements for the MRI examination. Course can either be taken in the Fall or Spring.

Prerequisite: ARRT, RT(R), ARRT, RT(NM)
Corequisite: MRP 110 & MRP 120 or MRP 130 & MRP 140
0/0/9

MRP 151 MRI Clinical Education II 3 cr.

Clinical education consists of 135 hours in an affiliate hospital or imaging center. It is designed to enable the student to achieve the competencies necessary to meet the ARRT eligibility requirements for the MRI examination. This course is a continuation, if the clinical requirements are not completed in the Fall semester.

Prerequisite: ARRT, RT(R), ARRT, RT (NM)
Corequisite: MRP 110, MRP 120, MRP 130, MRP 140
0/0/9 Course fee charged

MRP 152 MRI Clinical Education III 2 cr.

Clinical education consists of 90 hours in an affiliate hospital or imaging center. It is designed to enable the student to achieve the competencies necessary to meet the ARRT eligibility requirements for the MRI examination. This course is a continuation, if the clinical requirements are not completed in the Fall and Spring semesters.

Prerequisite: ARRT, RT(R), ARRT, RT (NM)
Corequisite: MRP 110, MRP 120, MRP 130, MRP 140
0/0/6 Course fee charged

MATHEMATICS

MTH 012 College Algebra Clinic 3 cr.*

This course is designed to provide students with the necessary skills to be successful in MTH 112 College Algebra. The curriculum will be geared towards the student's level of algebraic skill. Topics will be chosen from linear and quadratic equations and inequalities, absolute value equations and inequalities, rationals, radicals, complex numbers, graphs and transformations of functions.

**Credits do not apply toward graduation.*

Prerequisite: MTH 075; placement based on assessment and academic advisement

Corequisite: MTH 112 College Algebra

3/0/0 FA/SP/SU Course fee charged

MTH 030 Precalculus Clinic 3 cr.*

This course is designed to provide students the necessary skills to be successful in MTH 130 Precalculus. The curriculum will be geared towards the student's level of algebraic skill. Topics will be chosen from exponents, geometry of right triangles, rational expressions, polynomials, linear equations and inequalities, complex numbers, quadratic equations as well as polynomial, rational, exponential and logarithmic functions.

**Credits do not apply toward graduation.*

Prerequisite: Placement based on assessment and recommendation of academic advisor

Corequisite: MTH 130

3/0/0 FA/SP/SU Course fee charged

MTH 055 Pre-Algebra 4 cr.*

This developmental course focuses on skills needed to prepare students for algebra. It includes the operations of integers, exponents, order of operations, understanding variables, and solving equations. It also introduces operations of rational numbers in the form of signed fractions and decimals as well as problem solving in terms of perimeter and area.

**Credits do not apply toward graduation.*

4/0/0 FA/SP/SU Course fee charged

MTH 075 Elementary Algebra 4 cr.*

This developmental course is designed for students who have not taken a full year of high school algebra or who require a review of certain topics in elementary algebra. It focuses on signed numbers; polynomial expressions and their operations; rational algebraic expressions; factoring; the solving and graphing of first degree equations in one variable; and systems of linear equations (algebraic and graphic solutions).

**Credits do not apply toward graduation.*

Prerequisite: Demonstrated competency in arithmetic skills covered in MTH 055

4/0/0 FA/SP/SU Course fee charged

MTH 104 Business Mathematics 3 cr.

This course provides the mathematical foundation for all of the business career curricula. Arithmetic concepts are reviewed and applied to payroll; depreciation; interests; discounts; negotiable instruments; taxes; stocks and bonds; mathematics of merchandising; and computer mathematics. It uses and stresses business formulas, and equations.

Prerequisite: MTH 075 or equivalent skills

3/0/0 FA/SP

MTH 107 Introduction to Statistics 3 cr.

This is a first course in basic statistical concepts. It focuses on frequency distributions of empirical data, calculations of descriptive statistics, probability distributions, confidence intervals, hypothesis testing, chi square, regression, and correlation.

Prerequisite: MTH 075 or equivalent skills

Note: Students may receive credit for either MTH 107 or MTH 143, but not credit for both courses.

3/0/0 FA/SP/SU

MTH 112 College Algebra 3 cr.

This course prepares students for upper level college mathematics courses. It focuses on graphs and transformations of functions; inverse and combinations of functions; solving linear and absolute value equations; polynomial equations; quadratic equations; and polynomial, rational, exponential, and logarithmic functions and their graphs.

Prerequisite: MTH 012 or MTH 095 or equivalent skills

Corequisite: MTH 012 or equivalent skills

3/0/0 FA/SP/SU

MTH 113 Modern College Mathematics I 3 cr.

This course satisfies the mathematics requirements for students in non-science fields. It emphasizes sets; logic; numeration and mathematical systems, elements of number theory and topics in probability.

Prerequisite: MTH 075 or equivalent skills

3/0/0 FA/SP/SU

MTH 118 Calculus I and Analytic Geometry 4 cr.

This course focuses on selected content from plane analytic geometry; limits and continuity; derivatives of algebraic, trigonometric, logarithmic, and exponential functions; extrema; differentials; antiderivatives; definite integrals; and applications. Graphic and symbolic calculation software is provided and applied to selected topics.

Prerequisite: MTH 130 or permission

4/0/0 FA/SP/SU

MTH 119 Calculus II and Analytic Geometry 4 cr.

This course focuses on differentiation of inverse trigonometric functions and application of implicit and logarithmic differentiation. It also emphasizes the completion of the Basic Integration Formulas, techniques of integration, improper integrals, parametric equations, sequences, and series. Application of integration include area and volumes of solids of revolution. Symbolic calculation software is provided and applied to selected topics.

Prerequisite: MTH 118

4/0/0 FA/SP/SU

MTH 130 Precalculus 4 cr.

This course is the analytic study of elementary relations and functions including linear, quadratic, higher order polynomial, exponential, logarithmic, and trigonometric. Upon successful completion of this course, the student is expected to begin the formal study of calculus. A graphing calculator is required.

Prerequisite: MTH 030 or MTH 112 or equivalent skills

Corequisite: MTH 030

4/0/0 FA/SP/SU

MTH 141 Elementary Quantitative Methods for Management 3 cr.

This course satisfies the mathematics requirement for business and social science majors in transfer programs. It focuses on linear, quadratic, exponential and logarithmic functions and their graphs; matrices; linear systems; and linear programming, including simplex method.

Prerequisite: MTH 012 or equivalent skills

3/0/0

MTH 142 Calculus: Techniques and Applications 3 cr.

This course satisfies the mathematics requirement for business and social science majors in transfer programs. It focuses on topics from applied calculus: limits; derivatives; maxima and minima; anti-derivatives; and the definite integral. It emphasizes developing the calculus skills necessary to solve problems of management and the social sciences.

Prerequisite: MTH 112 or MTH 130 or MTH 141 or permission

3/0/0 FA/SP/SU

MTH 143 Statistics I 4 cr.

This course presents basic statistical principles and methods. It focuses on descriptive statistics, correlation and simple regression, probability theory, Binomial, Poisson, z, t, and Chisquare distributions, central limit theorem, confidence intervals and hypothesis testing. One hour/week is spent in the microcomputer laboratory exploring software applications of statistical concepts presented in the lecture. No previous computer experience is assumed. Students may receive credit for either MTH 107 or MTH 143, but not credit for both courses.

Prerequisite: MTH 112 or MTH 141 or MTH 130

4/0/0 FA/SP/SU Course fee charged

MTH 201 Linear Algebra 3 cr.

This course focuses on the basic theory and applications of real finite-dimensional vector spaces and linear transformations. It includes matrices, applications to systems of linear equations, Gaussian elimination, linear dependence and independence, basis and dimension, change of basis, inner product spaces, Gram-Schmidt Process, matrix of linear transformation, determinants, eigenvalues and eigenvectors, and diagonalization of a matrix.

Prerequisite: MTH 118
3/0/0

MTH 211 Structures of Mathematics I 3 cr.

This course concerns the development of number systems and algebraic structures, including the natural numbers, the integers, rational numbers, and real and complex numbers. Students will be required to reason mathematically, solve problems, and communicate mathematics effectively at different levels of formality using a variety of representations of mathematical concepts and procedures.

Prerequisite: MTH 075 or equivalent skills
3/0/0 FA

MTH 212 Structures of Mathematics II 3 cr.

This course is designed primarily for elementary education majors. The course will require students to investigate problems in order to deepen their conceptual and procedural understanding in the areas of algebra, data analysis, probability, geometry, measurement, and systematic listing and counting.

Prerequisite: MTH 211
3/0/0 SP

MTH 220 Calculus III and Analytic Geometry 4 cr.

This course focuses on vectors in the plane and space; vector calculus; multivariate functions and partial derivatives; directional derivatives; multiple integrals and surface integrals; vector fields; line integrals; Green's theorem; Divergence theorem; and Stokes's theorem.

Prerequisite: MTH 119
4/0/0 FA/SP

MTH 226 Discrete Mathematics 3 cr.

This course is an elementary introduction to certain topics in Discrete Mathematics appropriate for work in computer science and in the further study of mathematics. It focuses on sets; logic; proof types—direct, indirect, contrapositive, and induction; counting and probability; combinatorics; relations and functions; graph theory; trees; Euler and Hamiltonian circuits; and Boolean Algebra.

Prerequisite: MTH 111 and MTH 112, or MTH 130
3/0/0 FA/SP/SU

MTH 230 Differential Equations 4 cr.

This course focuses on methods of solution, applications, and theory of ordinary differential equations. It includes first order differential equations, linear differential equations of higher order, power series solutions, Laplace transforms, and systems of linear differential equations.

Prerequisite: MTH 220
4/0/0

MTH 243 Statistics II 3 cr.

This course focuses on test of fit, test of independence; analysis of variance; simple and multiple regression; correlation analysis; time series; index numbers; and non-parametric statistics.

Prerequisite: MTH 143
3/0/0

MTH 280 Biometry 4 cr.

This course considers elementary data analysis, probability and sampling distributions. It uses the normal and t-distributions to introduce estimation and hypotheses testing. It includes descriptive techniques and inference for simple linear regression and correlation. Analyses of variance, nonparametric tests and Chi-Square tests are covered in this course. Emphasis is placed on experimentation and the application of statistical methods to the biological sciences. Laboratory components will give the students opportunities to apply topics through experimental design, hypothesis testing and independent research. Computer software is used regularly in data manipulation, statistical analyses, and formal presentation of results.

Prerequisite: BIO 202; MTH 118
3/3/0 FA/SP

MTH 291 Special Projects Mathematics I 1 cr.

This course involve independent study and research on some topic or in some area of mathematics. Projects include a statement of objectives, a literature search and a written report. Lab hours depend on the project (usually two hours per week per credit).

Prerequisite: Permission of the instructor

MECHANICAL ENGINEERING TECHNOLOGY

MET 210 CNC Programming I 4 cr.

This course introduces the concepts and capabilities of computer numerical control machine tools. Emphasis will be on laboratory work related to setup, operation, and basic applications. Students will explain operator safety, machine protection, data input, program preparation and program storage.

Prerequisite: CSE 110
3/2/0 FA/SP Course fee charged

MET 215 Applied Thermal Energy I 3 cr.

This course will discuss the applications of the thermal sciences, such as thermodynamics, fluid dynamics, and heat transfer. Topics include the first and second laws of thermodynamics; volumetric properties of pure fluids; heat effects; application to flow process; power cycles; and refrigeration.

Prerequisite: MTH 118
3/0/0

MET 220 Introduction to Mechanical Design 3 cr.

This course will discuss the mechanical engineering design process mechanical engineering design process, along with open-ended problem solving, teamwork, and team-based design projects. Also, estimation, modeling and basic science principles related to project will be covered. Emphasis will be put on manufacturing, assembly and testing. Further, communication skills in design and ethical issues in design will be discussed.

Prerequisite: MTH 118
3/0/0

MET 235 Material Science and Manufacturing 3 cr.

This course will discuss materials science and manufacturing. The course covers the behavior of materials, starting from an atomic level, and building to how atomic level structures influence macroscopic failure in both metals and polymers. The rheology of various materials becomes the transition into how they are developed into useful products through various manufacturing methods including casting, extrusion, molding, sintering, machining and through composite fabrication techniques.

Prerequisite: CHE 115
3/0/0

MUSIC (APPLIED)

MUC 101 Class Piano I 1 cr.

This course offers the beginning piano student elementary piano techniques and music reading skills. It involves instruction in a single one hour session each week and requires daily practice to grow and develop piano technique.

1/1/0 FA/SP Course fee charged

MUC 102 Class Piano II 1 cr.

This course continues the class piano sequence and builds on the elementary piano skills and techniques acquired in MUC 101.

Prerequisite: MUC 101 or equivalent, or by permission
1/1/0 FA/SP Course fee charged

MUC 103 Class Piano III **1 cr.**

The final course in class piano sequence continues to build on the elementary piano skills and techniques acquired in MUC 101 and MUC 102.

Prerequisite: MUC 101 and MUC 102 or equivalent, or by permission

1/1/0 FA/SP Course fee charged

MUSIC (PRIVATE APPLIED)

(Previous musical experience required)

MUP 131-139 Applied Music I **2 cr.**

These courses involve a 60 minute lesson consisting of weekly private instruction in: Woodwind 131; Brass 132; Strings 133; Percussion 134; Voice 135; Composition 136; Piano 137; Guitar 138; or Secondary Instrument 139. Lessons are offered at a time mutually agreed upon by the student and instructor. Additionally there is a requirement for students to practice a minimum of 3 hours per week. Students registered for applied lessons are also expected to attend regular performance classes as per the course calendar, and to perform a final juried exam during finals week. An authorized signature is required.

Prerequisite: Permission of the music coordinator.
0/4/0

MUP 141-149 Applied Music II **2 cr.**

These courses involve a 60 minute lesson consisting of weekly private instruction in: Woodwind 141; Brass 142; Strings 143; Percussion 144; Voice 145; Composition 146; Piano 147; Guitar 148; or Secondary Instrument 149. Lessons are offered at a time mutually agreed upon by the student and instructor. Additionally there is a requirement for students to practice a minimum of 3 hours per week. Students registered for applied lessons are also expected to attend regular performance classes as per the course calendar, and to perform a final juried exam during finals week. An authorized signature is required.

Prerequisite: Successful completion of Applied Music I and permission of the music coordinator.
0/4/0

MUP 231-239 Applied Music III **2 cr.**

These courses involve a 60 minute lesson consisting of weekly private instruction in: Woodwind 231; Brass 232; Strings 233; Percussion 234; Voice 235; Composition 236; Piano 237; Guitar 238; or Secondary Instrument 239. Lessons are offered at a time mutually agreed upon by the student and instructor. Additionally there is a requirement for students to practice a minimum of 3 hours per week. Students registered for applied lessons are also expected to attend regular performance classes as per the course calendar, and to perform a final juried exam during finals week. An authorized signature is required.

Prerequisite: Successful completion of Applied Music II and permission of the music coordinator.
0/4/0

MUP 241-249 Applied Music IV **2 cr.**

These courses involve a 60 minute lesson consisting of weekly private instruction in: Woodwind 241; Brass 242; Strings 243; Percussion 244; Voice 245; Composition 246; Piano 247; Guitar 248; or Secondary Instrument 249. Lessons are offered at a time mutually agreed upon by the student and instructor. Additionally there is a requirement for students to practice a minimum of 3 hours per week. Students registered for applied lessons are also expected to attend regular performance classes as per the course calendar, and to perform a final juried exam during finals week. An authorized signature is required.

Prerequisite: Successful completion of Applied Music III and permission of the music coordinator.
0/4/0

MUSIC APPRECIATION THEORY/HARMONY**MUS 101 Music Appreciation** **3 cr.**

This course surveys the forms, media, and history of Western music, as well as its social and aesthetic significance. Focusing on the enjoyment of music, methods of comprehending music, listening techniques, and discernment of musical elements. It is intended for the student who wishes to acquire the skills needed to listen to music astutely and critically.

3/0/0 FA/SP

MUS 105 Music Fundamentals **3 cr.**

This course begins to explore how music is conceived and communicated through the study of musical language, notation, and construction. Primary concepts of note reading, rhythm, scales, key signatures, intervals and chords are studied, as well as basic piano skills for melodic study. It is designed for students with little to no previous music theory training.

3/0/0 FA

MUS 110 Aural Skills **2 cr.**

This course develops the ability to sight-sing melodic passages and to notate rhythmic, melodic, and harmonic examples through ear training exercises.

Prerequisite: MUS 105 or equivalent, or by permission
2/0/0

MUS 115 Music Theory I **3 cr.**

This course focuses on traditional tonal harmony and provides a more in depth study of how music is conceived and communicated through musical language, notation, and construction. * *Note that this class does involve some sight singing and ear training.*

Prerequisite: MUS 105 or equivalent, or by permission
3/0/0

MUS 210 Aural Skills II **2 cr.**

This course further develops aural skills including the ability to sight-sing melodic passages and to notate rhythmic, melodic, and harmonic examples through dictated ear training exercises.

Prerequisite: MUS 110
2/0/0

MUS 215 Music Theory II **3 cr.**

This course continues the focus on tonal harmony and applies the skills learned in MUS 115. This is the final course in the theory sequence and it focuses on more complex elements of musical theory, analysis, composition, and the chromatic harmony of the 19th and 20th centuries. **Note that this course does involve some sight singing and ear training.*

Prerequisite: MUS 115
3/0/0

MUS 250 Music and the Child **3 cr.**

This course is designed to help future parents, caregivers, and teachers understand the processes that underlie music learning and how to weave music into the lives of young children in developmentally appropriate ways. We'll explore repertoire that enhances the receptive and expressive systems of young children, design tools that will help children to use music to augment life experiences, and gain practical experience incorporating music making and musical play into activities for individuals and small groups.

3/0/0

MUSIC (PERFORMANCE)**MUS 111-114 Brass Ensemble I-IV** **1 cr. ea.****MUS 121-124 Jazz Ensemble I-IV** **1 cr. ea.****MUS 125-128 Vocal Jazz Ensemble I-IV** **1 cr. ea.****MUS 131-134 String Ensemble I-IV** **1 cr. ea.****MUS 135-138 Guitar Ensemble I-IV** **1 cr. ea.****MUS 141-144 Woodwind Ensemble I-IV** **1 cr. ea.****MUS 145-148 Percussion Ensemble I-IV** **1 cr. ea.**

These ensembles involve class rehearsals, instructor presentation and demonstration of performance techniques, and public performance. Each ensemble meets once per week. These performance courses are recommended electives for music majors and are open to all students who play musical instruments and read music.

Note: Student participation in ensembles is determined by the instructor of the course.

Prerequisite: Courses should be taken in sequence I-IV
0/2/0 Course fee charged

MUS 150 – MUS 153 Chorus I-IV 1 cr.

This study and performance-oriented course in representative choral literature is open to all students.

Prerequisite: Courses should be taken in sequence I-IV.

0/2/0 FA/SP Course fee charged

MUS 161 – MUS 164**County/Community Concert Band I-IV 1 cr.**

The College/Community Concert Band rehearses once per week and performs various concerts and events throughout the semester. Concert band members are not required to audition and the ensemble is open to all students who play a band instrument and read music, regardless of major.

Course fee charged

MUS 291 Honors Performance 1 cr.

This course provides a student of exceptional ability particular instruction in preparation for the performance of an honors recital.

Prerequisite: Permission

0/2/0

NURSING

NUR 118 Introduction to Professional Nursing LPN Bridge 3 cr.

This course is designed to facilitate successful entry of practical nurse graduates into the second semester of the registered nurse program. It provides theoretical content and skills testing in order to provide the student with the necessary knowledge skills and attitude to successfully progress into the registered nursing program. This course includes the essential elements of the nursing process, documentation, professionalism, and the registered nurse practice act. Concepts essential in order to develop care plans and delegate care to members of the healthcare team are covered. The course is focused on preparing the licensed practical nurse for transition into the registered nursing program.

Prerequisite: Admission to the program and demonstration of LPN license

3/0/0 FA/SP Course fee charged

NUR 130 Fundamentals of Nursing Care 4 cr.

This initial nursing course provides the student with opportunities to explore and apply basic concepts to nursing. Fundamental psychomotor and communication nursing skills are developed and applied within a framework of the nursing process and Maslow's human needs.

Prerequisite: Admission to program; BIO 110; BIO 111

Corequisite: NUR 131; NUR 132

Corequisite or Prerequisite: BIO 114; BIO 115; PSY 101

4/0/0 FA/SP Course fee charged

NUR 131 Fundamentals of Nursing Lab 1 cr.

In this nursing lab course, students demonstrate psychomotor skills including safety, wound care, asepsis, assessment, and medication administration. Students have the opportunity for practice and evaluation of skills prior to entering the clinical setting. Students receive 1 credit for 3 hours of lab which is taken over 7 weeks (6 hours a week).

Prerequisite: BIO 110; BIO 111

Corequisite: NUR 130; NUR 132

Corequisite or Prerequisite: BIO 114; BIO 115; PSY 101

0/3/0 FA/SP Course fee charged

NUR 132 Fundamentals of Nursing Clinical 1 cr.

In this nursing clinical course, students have the opportunity to provide nursing care to patients in various settings. Professional nursing standards of practice are integrated in the clinical area. Students receive 1 credit for 3 hours of clinical which is completed in 7 weeks (6 hours a week).

Prerequisite: BIO 110; BIO 111

Corequisite: NUR 130; NUR 131

Corequisite or Prerequisite: BIO 114; BIO 115; PSY 101

0/0/3 FA/SP Course fee charged

NUR 140 Nursing Care of the Childbearing Family 2 cr.

This course examines the health and social situation of today's childbearing family. Areas of focus are the birth process, care of newborns and women's health needs. The course emphasizes health promotion in the expectant family, the childbearing process and education during the postpartum period. This course is 2 credits and 2 hours weekly for 14 weeks.

Prerequisite: NUR 130, NUR 131, and NUR 132 or NUR 118; PSY 256

Corequisite: NUR 141

2/0/0 FA/SP Course fee charged

NUR 141 Nursing Care of the Childbearing Family Clinical 2 cr.

In this course the student will continue to develop clinical skills in the care of families throughout the childbearing experience. Emphasis is placed on assessment, therapeutic interventions and medication administration according to established standards of nursing practice. This course is 2 credits (1 credit to 3 hours) and is 6 hours weekly for 14 weeks.

Prerequisite: NUR 130, NUR 131, and NUR 132

or NUR 118; PSY 256

Corequisite: NUR 140

0/0/6 FA/SP Course fee charged

NUR 145 Nursing Care of Children and Families 2 cr.

This course examines the health and social situations of today's children and their families. Children from birth through the adolescent phase are the focus. The course emphasizes health promotion, maintenance and restoration. Growth and development concepts are integrated throughout the course. This course is 2 credits and meets for 2 hours weekly.

Prerequisite: NUR 130, NUR 131, and NUR 132

or NUR 118; PSY 256

Corequisite: NUR 146

2/0/0 FA/SP Course fee charged

NUR 146 Nursing Care of Children and Families Clinical 2 cr.

In this clinical course (corequisite with nursing theory NUR 145), the student will continue to develop clinical skills in the nursing care of children and families in the healthcare setting. Emphasis is placed on assessment, therapeutic interventions and medication administration according to established standards of nursing practice. This course is 2 credits (1 credit to 3 hours) and is 6 hours weekly for 14 weeks.

Prerequisite: NUR 130, NUR 131, and NUR 132

or NUR 118; PSY 256

Corequisite: NUR 145

0/0/6 FA/SP Course fee charged

NUR 216 Management and Professional Issues 2 cr.

This course addresses current issues affecting healthcare delivery; management, legal and ethical concerns; and political and legislative strategies. Professional practice issues will be applied to health care situations and NCLEX-RN readiness, the role of the nurse, and transition into the workforce. Simulation lab activities allow the student to apply management strategies to patients in the lab setting.

Prerequisite: NUR 240; NUR 241; NUR 245; NUR 246

Corequisite: NUR 250; NUR 251

Corequisite or Prerequisite: NUR 303

1/2/0 FA/SP Course fee charged

NUR 220 Nutrition in Nursing and Healthcare 3 cr.

This course focuses on the understanding of nutritional requirements throughout the lifecycle as well as modifications for disease states. Nutritional assessment techniques as well as specific diets for health and disease are discussed.

3/0/0 Course fee charged

NUR 240 Nursing Care of Patients with Mental Health Alterations 2 cr.

This course introduces students to mental health nursing and focuses on health restoration and maintenance of patients with mental health concerns across the lifespan. Concepts of critical thinking, evidence based practice, therapeutic communication and collaboration, cultural awareness, and professional values are emphasized. This course is 2 credits and students participate in 2 hours weekly of theory for 14 weeks.

Prerequisite: NUR 140, 141, 145, 146

Corequisite: NUR 241

2/0/0 Course fee charged

NUR 241 Nursing Care of Patients with Mental Health Alterations Clinical 1 cr.

In NUR 241, the student will continue to develop clinical nursing skills in the care of patients with mental health alterations. Emphasis is placed on assessment and therapeutic interventions for patients and groups according to established standards of nursing practice for patients with mental health alteration in the healthcare setting. Therapeutic communication is emphasized, as is assessment. This course is 1 credit (1 credit to 3 hours) and is 3 hours weekly for 15 weeks.

Prerequisite: NUR 140, 141, 145, 146

Corequisite: NUR 240

0/0/3 Course fee charged

NUR 245 Nursing Care of Patients with Medical Surgical Alterations 3 cr.

This course focuses on the health promotion, disease prevention and the restoration of optimal health in young adults through old age. The course emphasizes health promotion, maintenance and restoration. Health alterations including common acute illnesses, chronic diseases and disabilities are examined. The perioperative experience is integrated into this course. This course is 3 credits and meets for 3 hours weekly.

Prerequisite: NUR 140, 141, 145, 146

Corequisite: NUR 246

3/0/0 Course fee charged

NUR 246 Nursing Care of Patients with Medical Surgical Health Alterations Clinical 2 cr.

In this course the student will continue to develop clinical skills in the care of medical surgical patients. Emphasis is placed on assessment and therapeutic interventions for patients with selected medical surgical alterations according to established standards of nursing practice. This course is 2 credits (1 credit to 3 hours) and is 6 hours weekly for 14 weeks.

Prerequisite: NUR 140, 141, 145, 146

Corequisite: NUR 245

0/0/6 Course fee charged

NUR 250 Advanced Concepts of Nursing Care 4 cr.

This course is the capstone of the nursing program. This course focuses on the health promotion, disease prevention and restoration of optimal health in young adults through old age. Managing care for individuals as well as groups of patients with complex needs is emphasized. Health promotion, maintenance and restoration is further developed as the student focuses on individuals with multiple complex health alterations. Concepts of interprofessional collaboration, delegation and leadership, evidence based practice and health literacy continue to be emphasized.

Prerequisite: NUR 240; NUR 241; NUR 245; NUR 246

Corequisite: NUR 216; NUR 251

Corequisite or Prerequisite: NUR 303

4/0/0 FA/SP Course fee charged

NUR 251 Advanced Concepts of Nursing Care Clinical 4 cr.

In this course the student will refine clinical skills in the beginning practice of professional nursing. Emphasis is placed on developing the leadership role in the care of groups of patients with complex health alterations. This course is 4 credits (1 credit to 3 hours) and is 12 hours weekly for 14 weeks.

Prerequisite: NUR 240; NUR 241; NUR 245; NUR 246

Corequisite: NUR 216; NUR 250

Corequisite or Prerequisite: NUR 303

0/0/12 FA/SP Course fee charged

NUR 301 Comprehensive Health Assessment 3 cr.

This course builds upon fundamental knowledge and skills of health assessment. In utilizing a systematic approach, the student will develop a holistic approach in assessing the patient throughout the lifespan. Upon completion, the student will show competency in obtaining a thorough health history and becoming efficient in the physical skills of inspection, palpation, percussion, and auscultation. Differences between normal and abnormal findings will be explored and appropriate documentation of findings will be stressed. Students will also be exposed to the cultural differences in health and will incorporate evidence based approaches to assessment.

Prerequisite: NUR 130, 131, 132; or NUR 118

2/2/0 Course fee charged

NUR 302 Pathophysiology 3 cr.

This course uses a system based life span approach to discriminate between normal physiologic function and pathophysiologic processes. The course relates manifestation of disease, risks factors for disease and the principles of illness and injury to therapeutic nursing interventions and outcomes.

Prerequisite: BIO 114/115 (or BIO 212/213),

and BIO 155/156 (or BIO 221/222),

and NUR 130, 131, 132; or NUR 118

3/0/0 Course fee charged

NUR 303 Pharmacology for Nursing 3 cr.

This course will enhance current knowledge of a broad spectrum of pharmacologic agents. Emphasis is on the administration of drugs using QSEN competencies for safe, effective, and therapeutic drug therapy. Drug classifications studied are about safe drug administration, nursing implications and effects and precautions, drug interactions, and the potential for toxicity. Pharmacologic considerations that involve, but are not limited to, the legal, ethical, age, cultural, and risk for dependence are discussed in the current context of our time.

Prerequisite: BIO 155 and BIO 156 or BIO 221 and

BIO 222; NUR 130, NUR 131, and NUR 132 or NUR 118

3/0/0 FA/SP/SU Course fee charged

PARALEGAL

LEX 110 Introduction to Paralegal Studies 3 cr.

This course is an overview of the legal system and focuses on basic legal concepts and paralegal skills. It emphasizes careful reading for detail; developing analytical and critical thinking skills; and written presentation of arguments. It also covers professional ethics and conduct; issues of confidentiality; conflicts of interest; and unauthorized practice of law.

3/0/0 FA/SP Course fee charged

LEX 111 New Jersey Legal Systems 3 cr.

This course focuses on New Jersey's court system, including an examination of the various types of legal practices as they relate to the courts. It covers rules and procedure of appellate practice, including briefs, filings, petitions, and motions as well as elements of the Federal court system.

3/0/0 FA/SP Course fee charged

LEX 112 Legal Writing 3 cr.

This course introduces basic concepts in legal writing. Paralegals are expected to prepare a variety of legal instruments to provide hands-on practice with various types of documents and forms as well as their use.

Prerequisite: LEX 113, ENG 101

3/0/0 SP Course fee charged

LEX 113 Legal Research and Library Use 3 cr.

This course introduces practical experience in the techniques of legal research, references to citations, and the use of a law library. It includes practice in locating and using legal forms.

Prerequisite or Corequisite: LEX 110, LEX 111

3/0/0 FA/SP Course fee charged

LEX 122 Family Law 3 cr.

This course examines family law practice including complaints, interrogatories, depositions, motions, and pleadings in the areas of divorce, separation, and custody, annulment, adoption, name change, guardianship, legitimacy, and other Family Court procedures.

Prerequisite or Corequisite: LEX 110, LEX 111
3/0/0 FA/SP Course fee charged

LEX 123 Bankruptcy Law 3 cr.

This course outlines basic debtor/creditor bankruptcy law and provides guidelines, practices, and procedures that a paralegal in this field may use. It covers sources of law, consensual debt creation, creditor interest in real estate, general provisions of the Bankruptcy Code and case administration (Chapter 7, Chapter 11 and Chapter 13).

Prerequisite: LEX 113
3/0/0 SP Course fee charged

LEX 124 Real Property 3 cr.

This course focuses on the legal and financial requirements of residential real estate transactions. It examines deeds, contracts, mortgages, and other documents commonly associated with real estate. Students learn the historical background which makes real estate unique, along with a practical understanding of the different local practices affecting its purchase and sale. Some basic math skills are helpful in understanding surveys, the proper calculation of taxes, and the settlement statement.

Prerequisite: LEX 110
3/0/0 FA/SP Course fee charged

LEX 125 Comparative Business Entities 3 cr.

This course focuses on the sole proprietorship, partnership (general and limited), the limited liability company, and the general business corporation, including an analysis of formation, operation, dissolution, financing, and tax implications of each entity. It reviews legal documents including initial organizational documents; stock certificates; stock transfer ledger; by-laws and minutes; trade name certificates; and means of dissolution. It examines law practice and procedure in buy-sell agreements, employment agreements, and non-competition agreements.

Prerequisite: LEX 113
3/0/0 FA/SP Course fee charged

LEX 212 Civil Litigation Practice 3 cr.

This course covers general rules governing lawyers, courts, and civil practice. Students become familiar with the court rules, pre-trial procedure, and common legal issues. Special emphasis is placed on understanding ethics rules and professional responsibility. Students are also taught the requirements for filing complaints, answers, and for pre-trial discovery, including interrogatories, depositions, subpoenas, and motion practice.

Prerequisite: LEX 110 and LEX 111
3/0/0 FA/SP Course fee charged

LEX 214 Administration of Decedents' Estates 3 cr.

This course focuses on practice and procedures with respect to estates; wills and their legal effects; administration of estates; trusts; accountings; devises, bequests; distribution of estates; law of interstate distribution; obligations of fiduciaries; and the Probate Division of the courts. It also includes an examination of New Jersey inheritance tax and federal estate tax returns.

Prerequisite: LEX 111 and LEX 124
3/0/0 FA/SP Course fee charged

LEX 235 Paralegal Internship 2 cr.

The internship program provides an opportunity for students to gain a workplace experience. The student is placed in a law office or other firm using paralegals, under the supervision of an attorney. The internship is guided by prescribed learning outcomes that are specific to the type and orientation of the law firm or business in which the student is placed.

Prerequisite: LEX 112 and LEX 212
0/0/6 By arrangement Course fee charged

PARAMEDIC SCIENCE**PAR 111 Principles of Paramedic Science I 8 cr.**

This theory course prepares the student to develop an understanding of the roles and responsibilities of the paramedic, EMS systems, and laws that affect EMS. It will introduce the student to venipuncture and blood collection; emergency pharmacology; fluids, electrolytes and intravenous therapy; respiratory therapy, suctioning techniques and airway devices; infectious disease; non-traumatic musculoskeletal disorders; diseases of the eyes, ears, nose, and throat; and disease specific medications. Dosing and drug calculations and administration will be learned.

Prerequisite: Admission to Program
Corequisite: PAR 112
8/0/0 Course fee charged

PAR 112 Paramedic Skills and Scenario Lab I 2 cr.

This lab will prepare the student for clinical and field internship rotations. Skills learned include: diagnostic and assessment skills; phlebotomy; intravenous therapy; medication administration; suctioning techniques; and basic airway management.

Prerequisite: Admission to Program
Corequisite: PAR 111
0/6/0 Course Fee Charged

PAR 113 Paramedic Clinical Practice I 1 cr.

This course introduces the student to patient experiences in the hospital clinical environment. Students will demonstrate the concepts and understanding of paramedic clinical skills. Rotations include various patient care areas allowing competency in cardiac catheterization lab, cardiac stress lab, operating room, PACU and respiratory therapy. Students are assigned a preceptor who is responsible to observe and assess performance. Travel to off-site clinical affiliates is required.

Prerequisite: PAR 111, PAR 112
Corequisite: PAR 121, PAR 122
0/0/4 Course fee charged

PAR 121 Principles of Paramedic Science II 4 cr.

This course provides the student with the foundation to assess and manage various medical emergencies. Students will explore body systems and the pathophysiology that causes a patient to experience acute emergencies. Topics include: cardiology, pulmonology, neurology, gastroenterology, immunology, endocrinology, toxicology, urology and hematology.

Prerequisite: PAR 111, PAR 112
Corequisite: PAR 113, PAR 122, PAR 123
4/0/0 Course fee charged

PAR 122 Paramedic Skills and Scenario Lab II 1 cr.

This lab continues to prepare the student for clinical and field internship rotations. Skills learned include: diagnostic skills, 12 Lead ECG acquisition, medication administration, endotracheal intubation, supraglottic airway insertion, and electrical therapy such as manual defibrillation, synchronized cardioversion, and transcutaneous pacing.

Prerequisite: PAR 111, PAR 112
Corequisite: PAR 113, PAR 121, PAR 123
0/3/0 Course fee charged

PAR 123 Paramedic Clinical Practice II 1 cr.

This course introduces the student to patient experiences in the hospital clinical environment. Students will demonstrate the concepts and understanding of paramedic clinical skills. Rotations include various patient care areas allowing competency in cardiac catheterization lab, cardiac stress lab, operating room/post-anesthesia care unit, and respiratory therapy. Students are assigned a preceptor who is responsible to observe and assess performance. Travel to off-site clinical affiliates is required.

Prerequisite: PAR 111, PAR 112
Corequisite: PAR 113, PAR 121, PAR 122
0/0/4 Course fee charged

PAR 231 Principles of Paramedic Science III 4 cr.

This theory course provides the student with the foundation to assess and manage various medical emergencies. Students will explore body systems and the pathophysiology that causes a patient to experience acute emergencies. Topics include mental health, gynecology, shock and resuscitation, trauma, neonatology, obstetrics, pediatrics, geriatrics, behavioral and special needs populations and trauma/ burns.

Prerequisite: PAR 121

Corequisite: PAR 232, PAR 233

4/0/0 Course fee charged

PAR 232 Paramedic Skills and Scenario Lab III 1 cr.

This skills and scenario lab will provide the setting for educational imprinting, cognitive integration, frequent drilling and autonomic development of psychomotor skills that are necessary to care for critically ill patients. Through the use of medical simulation and increasingly complex situations, this course continues to prepare the student for clinical and field internship rotations. Psychomotor skills learned include: performing a comprehensive physical assessment of the pediatric patient, pediatric airway management, trauma assessment and management, and obstetrical emergencies.

Prerequisite: PAR 121, PAR 122, PAR 123

Corequisite: PAR 231, PAR 233

0/3/0 Course fee charged

PAR 233 Paramedic Clinical Practice III 2 cr.

This course continues to introduce students to patient experiences in the hospital clinical environment. Students will demonstrate the concepts and understanding of paramedic clinical skills. Students will be introduced to higher acuity areas such as adult intensive care units and adult emergency departments. Students are assigned a preceptor who is responsible to observe and assess performance. Travel to off-site clinical affiliates is required.

Prerequisite: PAR 121, PAR 122, PAR 123

Corequisite: PAR 231, PAR 232

0/0/8 Course fee charged

PAR 242 Paramedic Skills and Scenario Lab IV 2 cr.

This skills and scenario lab continues to prepare the student for clinical and field internship rotations. Psychomotor skills learned include alternative access devices, air medical skills, rapid sequence intubation (RSI), mass casualty incidents (MCI) and CBRNE operations.

Prerequisite: PAR 231, PAR 232, PAR 233

Corequisite: PAR 243

1/3/0 Course fee charged

PAR 243 Paramedic Clinical Practice IV 2 cr.

This clinical course continues to introduce students to patient experiences in the hospital clinical environment. Students will demonstrate the concepts and understanding of paramedic clinical skills. Students will continue to be introduced to higher acuity areas such as adult emergency departments and specialty care areas such as the pediatric ED, Children's specialized hospitals, special care nursery, neonatal ICU, labor and delivery, behavioral health and specialty ICUs such as trauma, burn, and neurological. Students are assigned a preceptor who is responsible to observe and assess performance. Travel to off-site clinical affiliates is required.

Prerequisite: PAR 231, PAR 232, PAR 233

Corequisite: PAR 242

0/0/8 Course fee charged

PAR 252 Paramedic Skills and Scenario Lab V 1 cr.

This skills and scenario lab will provide the setting for educational imprinting, cognitive integration, frequent drilling and autonomic development of psychomotor skills that are necessary to care for critically ill patients. Through the use of medical simulation and increasingly complex situations, this course complements the student's clinical rotation. Psychomotor competency and team leading is a focus of this course

Prerequisite: PAR 242, PAR 243

Corequisite: PAR 253

0/3/0 Course fee charged

PAR 253 Paramedic Field Internship I 3 cr.

This clinical course continues to provide the student with the opportunity to connect theory and clinical skills learned throughout the paramedic program, with the reality of rendering patient care in the pre-hospital environment. The successful completion of the Phase I Field Internship checklist, team leading and interventional skills are the focus of this clinical. Students will be exposed to multiple geographical disparate care environments. Travel is required to off-site clinical affiliates throughout the state.

Prerequisite: PAR 242, PAR 243

Corequisite: PAR 252

0/0/12 Course fee charged

PAR 262 Paramedic Skills and Scenario Lab VI 1 cr.

This skills and scenario lab will provide the setting for educational imprinting, cognitive integration, frequent drilling and autonomic development of psychomotor skills that are necessary to care for critically ill patients. Through the use of medical simulation and increasingly complex situations, this course complements the student's clinical rotation and focuses on developing the skills necessary in rapid sequence intubation, cricothyrotomy and team leading.

Prerequisite: PAR 252, PAR 253

Corequisite: PAR 263

0/3/0 Course fee charged

PAR 263 Paramedic Field Internship II 3 cr.

This clinical course continues to provide the student with the opportunity to connect theory and clinical skills learned throughout the paramedic program, with the reality of rendering patient care in the pre-hospital environment. Students will be exposed to multiple geographical disparate care environments. Travel is required to off-site clinical affiliates throughout the state.

Prerequisite: PAR 252, PAR 253

Corequisite: PAR 262

0/0/12 Course fee charged

PAR 271 Paramedic Capstone Course 2 cr.

This capstone course gives students the opportunity to develop a research project based on a topic of interest in patient care delivery. This course includes: presentation of student research projects; debriefing of field internship experiences; and a comprehensive review of all prior paramedic coursework in order to prepare the students for the National Registry testing. Requirements for employment as an entry level paramedic will also be discussed.

Prerequisite: PAR 262, PAR 263

Corequisite: PAR 272, PAR 273

2/0/0 Course fee charged

PAR 272 Paramedic Skills and Scenario Lab VII 1 cr.

This skills and scenario lab will provide the setting for educational imprinting, cognitive integration, frequent drilling and autonomic development of psychomotor skills that are necessary to care for critically ill patients. Through the use of medical simulation and increasingly complex situations, this course complements the student's field internship rotation and focuses on the student's ability to become a team lead and increase competencies.

Prerequisite: PAR 262, PAR 263

Corequisite: PAR 273

0/3/0 Course fee charged

PAR 273 Paramedic Field Residency 2 cr.

This clinical course is designed for students to lead emergency responses in the field by navigating all aspects of the patient experience under the supervision of an assigned preceptor. This capstone course requires that students demonstrate terminal competence in all skills sets for completion of the program. Travel is required to off site clinical affiliates throughout the state.

Prerequisite: PAR 262, PAR 263

Corequisite: PAR 272

0/0/8 Course fee charged

PAR 290 Independent Study for Paramedic Science 1 cr.

This clinical course is designed for students to expand and perfect emergency response skills in particular areas through simulation lab experiences. Permission to enter this course is by instructor recommendation. The course is a clinical course for up to 3 hours per week.

Prerequisite: Permission of faculty

0/0/3 Course fee charged

PHILOSOPHY

PHI 101 Introduction to Philosophy 3 cr.

This course examines some of the fundamental questions concerning knowledge, existence, and value. Does God exist? What constitutes good and evil? Is there an afterlife? What is free will? It emphasizes examining the original works of important philosophers.

3/0/0 FA/SP

PHI 105 Introduction to Logic 3 cr.

This course introduces the principles of valid reasoning, with emphasis upon their practical uses in the development of critical thinking. It focuses on conditions of clear statements; semantics of definitions; adequate evidence; common fallacies; and inductive and deductive logic.

3/0/0

PHI 112 Eastern Philosophy 3 cr.

This course focuses on the traditional philosophies of China, such as Confucianism and Taoism, and the Buddhist philosophic tradition, stretching from India to Japan, with an emphasis on reading and interpreting original texts. Comparisons are made with appropriate Western traditions, such as the Greeks and the existentialists.

3/0/0

PHI 205 Ethics 3 cr.

This course focuses on the ethical concerns of humans. Readings from significant philosophers are used to show the major ethical problems from ancient to modern times.

Prerequisite: PHI 101 or permission

3/0/0

PHI 210 History of Philosophy 3 cr.

This course focuses on an overview of Western thought from antiquity to the present. It emphasizes the development of civilization through the living ideas of past ages to the students can view contemporary ideas in the perspective of their roots in past societies. It stresses the impact of social and cultural factors upon the spirit of the times throughout history.

Prerequisite: PHI 101 or permission

PHI 220 Environmental Ethics 3 cr.

This course examines such questions as, "What are the rights of animals?", "Is there a land ethic?", and "How can we achieve environmental justice?" Such problems are discussed within the larger context of environmental philosophy, including such perspectives as utilitarianism, holism, social ecology, deep ecology, ecofeminism and postmodernism. Applications to local issues in land use, wilderness, civic agriculture and food will be included.

3/0/0

PHI 230 Biomedical Ethics 3 cr.

This course explores ethical issues in medicine and biotechnology. The course will focus on the philosophical analysis of these issues and the application of ethical theories. The aim is to equip students to understand the depth of moral dilemmas in the biomedical fields, the reasoning behind the different positions that are often taken, and how to evaluate these positions.

3/0/0

PHI 240 World Philosophy I 3 cr.

This course will introduce students to philosophy as it's been practiced on a global scale, in Western and Eastern civilizations. Specifically, the focus will be on ancient Asian, Greek, and Roman thought, as well as medieval philosophy. Through careful reading of primary texts, students will learn both the differences between the various philosophical traditions examined, as well as the remarkable commonalities that they share. The course centers in the study of perspectives that are far removed in time and place from the present day. Yet students will learn how these views at once speak to perennial, universal themes while revealing their relevance for contemporary concerns.

Prerequisite: PHI 101

3/0/0

PHOTOGRAPHY

Note: Each student must have a 35mm camera with manual settings. Students are required to purchase printing paper, film, a processing tank and mounting supplies. The cost of these supplies is approximately \$150-\$250 per semester.

PHO 102 Black and White Photography I 3 cr.

This beginning course in photographic techniques includes simple optics, camera formats, lenses, light meters, choice of proper film, and basic composition.

Additional lab time is required.

3/0/0 FA/SP Course fee charged

PHO 115 History of Photography 3 cr.

This course is an overview of the history of photography from its origins to the present day. It focuses on the development and history of photography as an art form and the impact this medium has had on both art and culture. It also emphasizes major photographers and their work.

3/0/0

PHO 120 Digital Photography I 3 cr.

This is a beginning course focusing on the use of scanners, digital cameras, image editing software, and inkjet printers. Students will explore content and composition while developing technical skills to improve their photographs. The course covers all steps of a photographer's digital workflow from capture to output.

3/0/0 Course fee charged

PHO 202 Black and White Photography II 3 cr.

This intermediate course is for the student who has mastered basic Black and White Photography I. The student will improve exposure techniques and will refine black and white printmaking for the purpose of more successfully achieving the aesthetic and practical intent of the photograph. Assignments reflect individual expression through photography. A thematic fifteen print portfolio will also be produced.

Prerequisite: PHO 102 or permission

3/0/0 Course fee charged

PHO 203 Portfolio Production 2 cr.

Advanced students are given the opportunity to produce a comprehensive thematic portfolio that they will develop and print. The prints may be produced either traditionally or digitally. Individual and group critiques will be ongoing in order to aid the student in the direction and realization of the photographic theme.

Prerequisite: PHO 102, PHO 202, PHO 207, PHO 215, PHO 220

2/0/0 FA/SP/SU Course fee charged

PHO 207 Portrait Photography 3 cr.

This course will explore a range of portrait styles from formal studio portraiture to environmental portraiture and their application to editorial, executive, family, or wedding portraiture. There is a strong emphasis, with hands on experience, in the use of available light as well as the use of artificial light including both strobe and tungsten.

Prerequisite: PHO 102, PHO 120, PHO 215

3/0/0 Course fee charged

PHO 215 Digital Photography II 3 cr.

This intermediate course continues the use of digital cameras while focusing on advanced image editing with industry standard software. Students will become skilled in advanced color and exposure correction, retouching, and compositing through masking and layers. Students will produce both color and black and white inkjet enlargements.

Prerequisite: PHO 120

3/0/0 Course fee charged

PHO 220 Studio Photography 3 cr.

This course is an introduction to all aspects of studio photography. Students will gain a working knowledge of artificial lighting techniques, using both strobe and tungsten lights, while discovering the creative advantage of working with controlled lighting. Assignments will emphasize a variety of lighting practices for products and people in a studio environment. Studio equipment and tools will be provided, but students are required to have a digital SLR cameras for this course.

Prerequisite: PHO 120, PHO 215

3/0/0 Course fee charged

PHYSICAL SCIENCE

PSC 105 Physical Science I 3 cr.

This course is an introduction to physical science designed especially for students without an extensive science background. It focuses on the Earth, the ocean, weather, and the universe as separate systems and as one dynamic system.

3/0/0 FA/SP/SU

PSC 106 Physical Science I Laboratory 1 cr.

This laboratory course provides experiences that apply to the concepts and topics covered in Physical Science I.

Prerequisite or Corequisite: PSC 105

0/2/0 FA/SP/SU Course fee charged

PSC 107 Physical Science II 3 cr.

This course explores the interaction between human societies and the natural world. Students will learn about the impact of natural events on society and methods utilized in an attempt to mitigate their effects. Students will also learn about the use of natural resources, fossil fuels, and alternative forms of energy and their effect on society and the environment.

3/0/0 FA/SP

PSC 108 Physical Science II Laboratory 1 cr.

This laboratory course provides experiences that apply to the concepts and topics covered in Physical Science II.

Prerequisite or Corequisite: PSC 107

0/2/0 Course fee charged

PSC 120 Introduction to Geology 3 cr.

This course is an introduction to basic geological concepts and processes. The course covers the composition and structure of the earth, mechanics of geological phenomena, identification and analysis of geological landforms, and the impact of the geological environment on people.

Prerequisite: MTH 075

3/0/0

PSC 121 Introduction to Geology Lab 1 cr.

This course provides laboratory experience that apply to topics and concepts covered in Introduction to Geology.

Prerequisite: MTH 075

0/3/0 Course fee charged

PSC 140 Introduction to Marine Science 3 cr.

This introduces an awareness of coastal and marine systems of the world. Marine Science is a multidisciplinary science that studies the oceans, physical and chemical dynamics of the marine environment, the forces affecting marine processes, and the relationships between organisms and their environments.

3/0/0

PSC 141 Introduction to Marine Science Lab 1 cr.

This course provides laboratory experience that apply to topics and concepts covered in Introduction to Marine Science.

Prerequisite or corequisite: PSC 140

0/3/0 FA/SP Course fee charged

PHYSICS

PHY 107 Fundamentals of Physics 3 cr.

This course is an introduction to the basic principles of physics. The topics of motion, mechanics, heat energy, properties of matter, sound, light, electricity and magnetism will be presented in a conceptual context. Application of principles to environmental and health problems are included. This course is recommended for students with no previous physics experience.

Prerequisite: MTH 075

3/0/0 FA/SP

PHY 110 Principles of Physics I 3 cr.

This non-calculus level course reviews the physical properties of matter, mechanics, heat, and sound. The course stresses the relationship between physical laws and applied problems in various disciplines. It is designed for students majoring in the applied sciences, allied health, life sciences, and the liberal arts.

Prerequisite: MTH 130

0/2/0 FA/SP/SU

PHY 111 Principles of Physics I Laboratory 1 cr.

This laboratory course provides experiences that apply to the topics and concepts covered in Principles of Physics I.

Prerequisite or Corequisite: PHY 110

0/2/0 FA/SP/SU Course fee charged

PHY 112 Principles of Physics II 3 cr.

This course is a continuation of Principles of Physics I. It focuses on electricity, magnetism, light, optics, and an introduction to atomic and nuclear physics.

Prerequisite: PHY 110, PHY 111

3/0/0 FA/SP/SU

PHY 113 Principles of Physics II Laboratory 1 cr.

This laboratory course provides experiences that apply to the topics and concepts covered in Principles of Physics II.

Prerequisite or Corequisite: PHY 112

0/2/0 SP/SU Course fee charged

PHY 120 Introduction to Astronomy 3 cr.

This is an introductory astronomy course intended for non-science majors. It focuses on the nature of light; operation of telescopes; our solar system; birth, evolution, and death of stars; black holes; galaxies; and cosmology.

3/0/0 FA/SP/SU

PHY 121 Astronomy Laboratory 1 cr.

This laboratory course complements the PHY 120 course. The laboratory experiences include computer simulations, experiments on basic phenomenon, and observations of the night/day sky.

Prerequisite or Corequisite: PHY 120

0/2/0 Course fee charged

PHY 210 General Physics I 3 cr.

This course is a study of the fundamental concepts and laws of mechanics with emphasis on the conservation laws. It focuses on scalar and vector qualities of mechanics; rectilinear and circular motion; equilibrium and Newton's laws of motion; work; energy; momentum; and the conservation laws. It is designed for students majoring in engineering, the sciences, mathematics, and computer science programs.

Prerequisite: High school physics or PHY 107 and MTH 118

3/0/0 FA/SP/SU

PHY 211 General Physics I Laboratory 1 cr.

This laboratory course provides experiences that apply to the concepts and topics covered in General Physics I.

Prerequisite or Corequisite: PHY 210

0/2/0 FA/SP/SU Course fee charged

PHY 212 General Physics II 3 cr.

This course is an introduction to thermodynamics, electricity, and magnetism. It focuses on heat and thermal energy; electric and magnetic fields; basic DC circuit analysis; and electromagnetic waves.

Prerequisite: PHY 210, PHY 211

3/0/0 SP/SU

PHY 213 General Physics II Laboratory 1 cr.

This laboratory course provides experiences that apply to the concepts and topics covered in General Physics II.

Prerequisite or Corequisite: PHY 212

0/2/0 SP/SU Course fee charged

POLITICAL SCIENCE

POL 101 American National Government and Politics 3 cr.

This course is a comprehensive examination of the basic principles of the U.S. constitutional system. It focuses on the operation of the democratic process; the organization, powers, and procedures of Congress; the presidency and the federal judiciary; interest groups; political parties; media; and voting. It emphasizes the leading political, economic, and social influences affecting democratic government.

3/0/0 FA/SP/SU

POL 102 State and Local Government 3 cr.

This course is a comprehensive examination of the structures, processes, and policy outputs of state and local governments throughout the United States and in New Jersey.

3/0/0

POL 103 Comparative Government and Politics 3 cr.

This course focuses on selected political systems considered in a comparative framework. Cases are taken from countries both more and less economically developed. It emphasizes government processes and institutions.

3/0/0 FA/SP

POL 215 Constitutional Law 3 cr.

This course examines individual rights and civil liberties through the study of the U.S. Constitution and leading Supreme Court decisions. It focuses on the judicial process and the effect of judicial decisions on American society.

Prerequisite: ENG 101

3/0/0 FA

POL 220 Western Political Thought 3 cr.

This course is a survey of the most significant political philosophy from ancient times into the modern era. It focuses on the issues of liberty, equality, political obligation, and justice.

3/0/0

POL 250 International Politics 3 cr.

This course examines patterns of behavior in international systems. It focuses on the state; sovereignty; war and peace; power; nationalism; imperialism; law; security dilemmas; interdependence; international regimes; and ethical and global issues.

Prerequisite: ENG 101

3/0/0

POL 262 Internship in Politics 3 cr.

This course is designed to provide students an opportunity of directed study and research in a local, state or national governmental agency or office. A demonstration of scholarly achievement will be required.

Prerequisite: Project approval by the instructor

PSYCHOLOGY

PSY 101 Introduction to Psychology 3 cr.

This course is designed to provide a general understanding and application of the basic principles of psychology. Topics will include history of psychology; scientific methods; physiological basis of behavior; development; principles of learning; personality theory and assessment; abnormal behavior; psychotherapy; and social psychology.

3/0/0

PSY 105 Introduction to Group Dynamics 3 cr.

This course focuses on group functioning and leadership and the factors involved in group cohesion and group conflict; communication systems; emotional styles; and group role function. It examines how to design and facilitate task groups and therapy groups.

3/0/0 FA/SP Course fee charged

PSY 110 Navigating Psychology 1 cr.

Psychology majors will be provided with resources that they will need to guide their degree coursework and further their psychological education and future careers. This introductory course will assist students to make decisions that will tailor their psychology program to their interests and goals. Students will be provided with information about the psychology degree path requirements, degree options and career opportunities.

Prerequisite: Approval by RCBC's Rowan Relations Director; PSY-101

1/0/0 FA/SP

PSY 202 Interviewing Techniques 3 cr.

This course trains students to understand and effectively utilize the interviewing process to assist clients with problem resolution. It examines various interviewing styles and techniques and the theoretical foundation of each. It develops interviewing skills through the use of student interaction, role-playing, videotape, and recordings of actual student interviews. It focuses on the concepts of communication, interaction, and the self.

3/0/0 FA/SP Course fee charged

PSY 203 Human Sexuality 3 cr.

This course is an academic interdisciplinary study of human sexuality. It focuses on sexual biology; developing sexual relationships; love and intimacy; sexual choices; contraception; S.T.D.; sexual customs; and sex education.

3/0/0

PSY 250 Educational Psychology 3 cr.

This course is specifically designed for prospective teachers. It focuses on the application of the principles of psychology to the teaching and learning processes.

Prerequisite or Corequisite: PSY 101 or permission

3/0/0

PSY 251 Child and Adolescent Psychology 3 cr.

This course is a study of growth, adjustment and capacities of individuals from conception through adolescence. It emphasizes the study of normal children.

Prerequisite: PSY 101 or permission

3/0/0

PSY 255 Abnormal Psychology 3 cr.

This course is a study of the characteristic features of various types of mental abnormalities, dynamics, and therapeutic methods.

Prerequisite: PSY 101

3/0/0

PSY 256 Developmental Psychology 3 cr.

This course considers human psychological and physiological development from conception to old age. It examines a comprehensive review of the basic biopsychological principles of growth in conjunction with major research findings.

Prerequisite: PSY 101

3/0/0

PSY 258 Psychology of Personality 3 cr.

This course explores the major theoretical approaches and current research findings in the study of personality. It focuses on biological, social, and cultural influences.

Prerequisite: PSY 101

3/0/0

PSY 259 Social Psychology 3 cr.

This course examines the interactions of individuals and groups: both the ways the ideas and beliefs of an individual are affected by the environment and the way that individuals form groups. It focuses on the causes of social behavior; the influences of groups; the evolution and stages of different societies; and the major theories that seek to explain and predict behavior.

Prerequisite: PSY 101

3/0/0 FA/SP

PSY 300 Psychology as a Profession and Practice 3 cr.

This course will introduce students to traditional and emerging applied areas in psychology, with the goal of increasing students' knowledge about how psychological information is used to impact people's lives. In addition, students will learn how psychological knowledge can be applied in ways that allow us to better understand the individual and the broader social world. Finally, students will explore possible career paths in psychology and learn how to best prepare for a career in psychology or related fields post-graduation.

Prerequisite: PSY 101

3/0/0 SP

PSY 301 Psychology of Scientific Thinking 3 cr.

This course is designed to provide students with a working knowledge of basic scientific methods and the study of psychology. This course will also introduce the methods of science and the role that science plays in the understanding of how the world works. In doing so, students will learn critical thinking skills as they relate to evaluating scientific claims. This course will also introduce students to the basic psychological processes that underlie human judgement and decision making and play a role in the maintenance of beliefs in pseudoscientific explanations of behavior and phenomena.

Prerequisite: PSY 101

3/0/0 FA

RADIOGRAPHY

RAD 107 Principles of Radiation Protection and Biology 2 cr.

This course focuses on the radiation effects on cells and living tissues. It presents the principles and responsibilities of radiation protection and identifies federal and state regulations.

Prerequisite: RAD 113, RAD 117, RAD 127, RAD 140, RAD 142

Corequisite: RAD 129, RAD 150, RAD 152, BIO 114, BIO 115

2/0/0 SP Course fee charged

RAD 113 Introduction to Radiologic Science 2 cr.

This course provides the student an overview of the foundations of radiography and the practitioner's role in health care delivery. Principles, practices and policies of health care organizations are examined and discussed in addition to the professional responsibilities of the radiographer. The student is also introduced to the basic information concerning ethical and legal behavior within a health care environment.

Prerequisite: BIO 208//BIO 209, HIT 105, ENG 101

Corequisite: Admission to program, BIO 110/111 or BIO 208/209, ENG 101, HIT 105

2/0/0

RAD 117 Patient Care in Radiologic Science 2 cr.

The student is introduced to the methods of optimal patient care, including consideration for the physical and psychological needs of the patient and family. Communication between the technologist and health care team is stressed. Routine and emergency patient care procedures are described, to include infection control procedures using standard precautions.

Prerequisite: Admission into the Radiography Program, BIO 110, BIO 111, or BIO 208/209; HIT 106, ENG 101

Corequisite: RAD 113, RAD 127, RAD 140, RAD 142

2/0/0

RAD 127 Radiographic Image Production 2 cr.

The student establishes a knowledge base in the technical factors that govern the image production process. This course focuses on the factors that influence the creation of the radiographic image.

Prerequisite: Admission to program, BIO 110/111 or BIO 208/209, ENG 101, HIT 106

Corequisite: RAD 113, RAD 117, RAD 140, RAD 142

2/0/0 Course fee charged

RAD 129 Digital Image Acquisition and Display 2 cr.

The student will learn about the components, principles and operation of digital imaging systems found in diagnostic radiology. Factors that impact image acquisition, display, archiving and retrieval are discussed in detail. Principles of digital imaging quality assurance and maintenance are presented as well.

Prerequisite: RAD 113, RAD 117, RAD 127, RAD 140, RAD 142

Corequisite: RAD 107, RAD 129, RAD 150, RAD 152, BIO 114, BIO 115 or BIO 214/215

2/0/0 Course fee charged

RAD 140 Radiography Clinical Procedures I 3 cr.

The student is taught to perform radiographic procedures of the chest, upper extremity, shoulder girdle and abdomen. Anatomic structure and topographic landmarks are identified. Radiographic positioning nomenclature, aids, accessory equipment, production of quality radiographic images and radiation protection procedures are studied. Laboratory materials are used to demonstrate clinical applications of theoretical principles and concepts. Achieved laboratory competency is measured.

Prerequisite: BIO 208/209, ENG 101, HIT 106

Corequisite: RAD 113, RAD 117, RAD 127, RAD 142

2/2/0 Course fee charged

RAD 142 Clinical Practicum and Image Evaluation I 2 cr.

The student is assigned to the radiology department in the first semester of a clinical education center. The practical application of imaging of the following: chest, upper extremity, shoulder girdle and abdomen can be performed on actual patients through the competency process. Hands-on experience is provided under the direct supervision of qualified radiographers.

Prerequisite: Admission into the Radiography Program, BIO 110/111 or BIO 208/209, HIT 106, ENG 101

Corequisite: RAD 113, RAD 117, RAD 127, RAD 140

0/0/16 Course fee charged

RAD 150 Radiography Clinical Procedures II 3 cr.

The student learns to perform radiographic procedures of the lower extremity, pelvic girdle and abdomen. Anatomic structure and topographic landmarks are identified. Radiographic positioning nomenclature, aids, accessory equipment, production of quality radiographic images and radiation protection procedures are studied. Laboratory materials are used to demonstrate clinical applications of theoretical principles and concepts. Achieved laboratory competency is measured.

Prerequisite: RAD 113, RAD 117, RAD 127, RAD 140, RAD 142

Corequisite: RAD 107, RAD 129, RAD 152

2/2/0 Course fee charged

RAD 152 Clinical Practicum and Image Evaluation II 2 cr.

The student is assigned to the radiology department in the second semester of a clinical education center. The practical application of imaging of the following: thorax, lower extremity, and pelvic girdle can be performed on actual patients through the competency process. Hands-on experience is provided under the direct supervision of qualified radiographers.

Prerequisite: RAD 113, RAD 117, RAD 127, RAD 140, RAD 142

Corequisite: BIO 114/115 or BIO 214/215, RAD 107, RAD 129, RAD 150

0/0/16 Course fee charged

RAD 160 Radiography Clinical Procedures III 3 cr.

The student learns to perform radiographic procedures of the cervical, thoracic, lumbar, sacrum, coccyx, and cranium. Anatomic structure and topographic landmarks are identified. Radiographic positioning nomenclature, aids, accessory equipment, production of quality radiographic images and radiation protection procedures are studied. Laboratory materials are used to demonstrate clinical applications of theoretical principles and concepts. Achieved laboratory competency is measured.

Prerequisite: BIO 114/115 or BIO 214/115, RAD 129, RAD 150, RAD 152

Corequisite: RAD 162

2/2/0 Course fee charged

RAD 162 Clinical Practicum and Image Evaluation III 2 cr.

The student is assigned to the radiology department in the third semester of a clinical education center. The practical application of imaging of the following: skull, spine, and mobile can be performed on actual patients through the competency process. Hands-on experience is provided under the direct supervision of qualified radiographers.

Prerequisite: RAD 107, RAD 129, RAD 150, RAD 152, BIO 114/115 or BIO 214/215

Prerequisite/Corequisite: RAD 160, SPE 102

0/0/16 Course fee charged

RAD 235 Radiographic Imaging Equipment 2 cr.

The content of this course is designed to establish a knowledge base in radiographic, fluoroscopic, and mobile equipment requirements and design. The content also provides a basic knowledge of quality control. Upon completion, the student will be able to understand the difference in performance and testing of imaging equipment.

Prerequisite: RAD 160, RAD 162, SPE 102

Corequisite: RAD 240, RAD 242

Prerequisite/Corequisite: CIS 101

2/0/0 Course fee charged

RAD 240 Radiography Clinical Procedures IV 3 cr.

The student is taught to perform radiographic procedures of the mobile radiography, pediatric, digestive, biliary, reproductive and urinary systems. Radiographic positioning aids, accessory equipment, use of contrast media, production of quality radiographs and radiation protection are presented. Laboratory materials are used to demonstrate clinical applications of theoretical principles and concepts. Achieved laboratory competency is measured.

Prerequisite: RAD 160, RAD 162, SPE 102

Corequisite: RAD 235, RAD 242

Prerequisite/Corequisite: CIS 101

2/2/0 Course fee charged

RAD 242 Clinical Practicum and Image Evaluation IV 3 cr.

The student is assigned to the radiology department in the fourth semester of a clinical education center. The practical application of imaging of the following: biliary, digestive, urinary, and reproductive systems can be performed on actual patients through the competency process. Hands-on experience is provided under the direct supervision of qualified radiographers.

Prerequisite: RAD 160, RAD 162, SPE 102

Corequisite: RAD 235, RAD 240

Prerequisite/Corequisite: CIS 101

0/0/24 Course fee charged

RAD 250 Radiography Clinical Procedures V 2 cr.

The student is taught radiographic advanced imaging procedures including mammograms, arthrograms, myelograms, venograms, and arteriograms. Radiographic positioning aids, accessory equipment, production of quality radiographs and radiation protection are presented. The student will also evaluate radiographic images of all required program competencies. Finally, the student is introduced to the basic concepts of pharmacology, venipuncture and administration of diagnostic contrast agents and intravenous medications. The appropriate delivery of patient care during venipuncture is emphasized.

Prerequisite: RAD 235, RAD 240, RAD 242, CIS 101

Corequisite: RAD 252

Prerequisite/Corequisite: PSY 101, SOC 101

2/0/0 Course fee charged

RAD 252 Clinical Practicum and Image Evaluation V 3 cr.

The student is assigned to the radiology department in the fifth semester of a clinical education center. The practical application of imaging of the following: bone survey, long bone measurement, bone age, foreign body, scoliosis survey, hysterosalpinography, myelography, and arthrography can be performed on actual patients through the competency process. Hands-on experience is provided under the direct supervision of qualified radiographers.

Prerequisite: RAD 235, RAD 240, RAD 242, CIS 101

Corequisite: RAD 250, PSY 101

Prerequisite/Corequisite: PSY 101, SOC 101

0/0/24 Course fee charged

RAD 262 Clinical Practicum and Image Evaluation VI 3 cr.

Students are assigned to the radiology department in the sixth semester of a clinical education center for practical application of the information presented in the prerequisite and co-requisite courses. This course allows the student sufficient clinical practicum to achieve entry level clinical competency. Hands-on experience is provided under the supervision of qualified radiographers. Clinical rotations in advanced modalities may be made available during this semester with the permission of the clinical coordinator. Achieved competency and pertinent initial and final clinical competency testing is performed.

Prerequisite: RAD 250, RAD 252, PSY 101, SOC 101

Corequisite/Prerequisite: MTH 107

0/0/24 Course fee charged

RELIGION

REL 205 Comparative Religion 3 cr.

This course examines and compares the world's major religious traditions, such as Hinduism, Buddhism, Judaism, Christianity, and Islam. It emphasizes reading and interpreting the sacred texts, as well as exploring the implications of each religion for how life is lived.

3/0/0 FA/SP

SERVICE-LEARNING

SLR 111 Service-Learning Practicum 1 cr.

This course provides students the opportunity to participate in a minimum of 15 service-learning hours accompanied by lectures throughout the semester. Students will learn about the significance and fundamental characteristics of service-learning while applying these concepts to real community needs. All placements must be unpaid, non-profit organizations (or working to obtain status), and pre-screened by the Service-Learning Program.

1/0/1

SLR 112 Service-Learning Practicum and Community Partnerships 2 cr.

This course provides students the opportunity to participate in a minimum of 45 service-learning hours accompanied by lectures throughout the semester. Students will learn about the significance and fundamental characteristics of service-learning while applying these concepts to real community needs. Through hands-on service and related assignments, students will learn about community organizations and how to partner with them to make an impact on the community. All placements must be unpaid, non-profit organizations (or working to obtain status), and pre-screened by the Service-Learning Program.

1/0/3

SLR 113 Service-Learning Practicum and Community Awareness 3 cr.

This course provides students the opportunity to participate in a minimum of 90 service-learning hours accompanied by lectures throughout the semester. Students will learn about the significance and fundamental characteristics of service-learning while applying these concepts to real community needs. Through hands-on service and related assignments, students will learn how to develop awareness of social issues and the community. All placements must be unpaid, non-profit organizations (or working to obtain status), and pre-screened by the Service-Learning Program.

1/0/6

SLR 114 Service-Learning Practicum and Identity 4 cr.

This course provides students the opportunity to participate in a minimum of 135 service-learning hours accompanied by lectures throughout the semester. Students will learn about the significance and fundamental characteristics of service-learning while applying these concepts to real community needs. Through hands-on service and related assignments, students will learn how social issues can shape identities. All placements must be unpaid, non-profit organizations (or working to obtain status), and pre-screened by the Service-Learning Program.

1/0/9

SOCIOLOGY

SOC 101 Principles of Sociology 3 cr.

This course focuses on the science and theory that sociologists use to understand the social world. It examines the social construction of reality, the place of institutions in modern society, and the forces that shape human social interaction.

3/0/0 FA/SP/SU

SOC 160 Society, Ethics & Technology 3 cr.

This course provides a framework for understanding the ways in which technology has transformed society and for assessing the social, ethical, global, environmental and professional issues associated with these changes. Students will also have the opportunity to conduct investigations into the following areas: professional responsibility, ethical implications, respect for diversity and the need for life-long learning.

Prerequisite: ENG 101

3/0/0

SOC 201 Social Problems 3 cr.

This course focuses on sociological principles and methods as they are applied to an analysis of selected problems in contemporary American society. It emphasizes world overpopulation; poverty; crime and violence; social inequality; alcohol and drug abuse; the economy; and environmental pollution.

Prerequisite: SOC 101

3/0/0 FA/SP

SOC 205 Marriage and the Family 3 cr.

This course is a comparative study of the institutions of marriage and the family in various societies, with special emphasis on the sociological study of courtship; marriage; and family development and organization in the contemporary American family.

Prerequisite: SOC 101 or PSY 101

3/0/0 FA/SP/SU

SOC 207 Communication, Mass Media and Society 3 cr.

This course covers the history, organization, economics and control of mass communications. The course will focus on the impact of books, newspapers, television, radio, film, the internet, magazines, online content and associated media among society. It includes the various technology systems involved in mass media.

3/0/0 FA/SP/SU

SOC 208 Social Class in America 3 cr.

This course investigates the dimensions of social inequality in the United States. It focuses on an analysis of the historical forces leading to existing patterns within the contemporary social class system. It emphasizes the consequences of social class position in such areas as jobs, health care, education, social mobility, and family patterns.

Prerequisite: SOC 101

3/0/0

SOC 209 Introduction to Women's Studies 3 cr.

This course is an overview of women's participation in a variety of fields, including history, politics, and the workforce. It also examines women's issues.

3/0/0

SOC 210 Minority Groups 3 cr.

This course focuses on the causes, consequences, and justifications of the inequalities associated with race, gender, and ethnicity in the United States and in other societies. It examines current social policies and explores alternative routes to social change.

Prerequisite: SOC 101

3/0/0 SP

SPANISH

SPA 101 Elementary Spanish I 3 cr.

This course is for students with no knowledge of Spanish and is designed to lay a foundation for speaking, reading, and writing the language.

3/0/0 FA/SP/SU

SPA 102 Elementary Spanish II 3 cr.

This course is for students with limited knowledge of Spanish. It focuses on building upon demonstrated skills in speaking, reading, and writing Spanish.

Prerequisite: SPA 101 or one year of high school

Spanish

3/0/0 FA/SP

SPA 201 Intermediate Spanish I 3 cr.

This course focuses on speaking Spanish. Class discussion is based on cultural readings from the Spanish-speaking world. There is intensive grammar study and composition work.

Prerequisite: SPA 102 or two years of high school

Spanish or permission

3/0/0 FA

SPA 202 Intermediate Spanish II 3 cr.

This course focuses on achieving skill in speaking Spanish. Class discussion is based on cultural readings from the Spanish-speaking world. There is intensive grammar study and composition work.

Prerequisite: SPA 201 or permission

3/0/0 SP

SPECIAL EDUCATION

Please note these courses are for the 3+1 Inclusive Education program only.

SPED 08307 Assessment of Students with Exceptional Learning Needs 3 cr.

This course emphasized linking assessment with educational instruction. Prospective classroom teachers will learn how to routinely use norm-referenced instruments and criterion-referenced techniques, with an emphasis on performance assessment. Introduction to statistical factors in testing, observation of testing, and administration of selected assessment instruments will be included. Teacher candidates will also have the opportunity to develop informal assessments in conjunction with a required field experience component (coursework to be conducted during 20-hours of the 40 hour required TOSD clinical experience placement this semester).

Corequisite: SPED 08360

Prerequisite: EDU 130;

Admission to 3+1 Inclusive Education Program

3/0/0 FA/SP

SPED 08360 Positive Behavior Support Systems for Students with Exceptional Learning Needs 3 cr.

This course exposes students to a variety of theoretical approaches in behavior management of students with exceptional learning needs and how to apply those skills in classroom practices. A field component is required (coursework to be conducted during 20-hours of the 40 hour required TOSD clinical experience placement this semester).

Corequisite: SPED 08307

Prerequisite: EDU 130 w/minimum grade of B-;

Admission to 3+1 Inclusive Education Program

3/0/0 FA/SP

SPEECH

SPE 101 Effective Oral Communication 3 cr.

This course examines the process of spoken communication, with an emphasis on small group interaction. It includes public speaking experiences, problem solving techniques, and approaches to discussion.

Corequisite: ENG 101

3/0/0 FA/SP

SPE 102 Public Speaking 3 cr.

This course will focus on the planning and presentation skills used in formal speeches. Students will enhance their competence in ethical reasoning, critical thinking, organization of materials, and academic research and technology. The course will emphasize speech-making methods and techniques through extemporaneous delivery. Speeches will be presented in class and are observed and analyzed by the instructor and fellow classmates.

Prerequisite: ENG 101
3/0/0

STUDENT RESEARCH**SRS 150 Introduction to Student Research 1 cr.**

Students will begin preparing for their independent research through hypothesis formation, preliminary data collection and primary literature evaluation in this laboratory-based course.

Prerequisite: Instructor permission
0/3/0 FA/SP/SU

SRS 250 Intermediate Student Research 2 cr.

This course builds on previous research completed in prior semesters. In this course, students are expected to continue to conduct advanced levels of investigations, analyses and conclusions relating to previously established research projects or experiences in this laboratory-based course.

Prerequisite: Instructor permission
0/6/0 FA/SP/SU

SRS 260 Exploratory Student Research 2 cr.

This course builds on previous research completed in prior semesters. In this course, students are expected to continue to conduct advanced levels of investigations, analyses and conclusions relating to previously established research projects or experiences in this laboratory-based course.

Prerequisite: Instructor permission
0/6/0 FA/SP/SU

SRS 270 Advanced Student Research 2 cr.

This laboratory-based course builds on previous research conducted in prior semesters. In this course, students are expected to continue to conduct extended investigations and analyses relating to an on-going research project.

Prerequisite: Instructor permission
0/6/0 FA/SP/SU

STUDENT SUCCESS**CSS 101 College Study Skills 3 cr.**

This course is for students who want to develop or to become more proficient at college level study skills. It focuses on time management, organizing textbook information, lecture note-taking, test taking strategies, and memory techniques.

3/0/0 FA/SP

SUSTAINABILITY**SST 100 Principles of Sustainability 3 cr.**

This course is designed to provide the fundamentals of sustainability principles and practices for entry-level students as well as under- and unemployed adults who are in job transition from non-environmental sectors seeking grounding in sustainability principles. It covers basic sustainability principles relative to population issues; climate change; renewable energy; consumption; ecosystem threats; transportation; green design and construction; biodiversity; and environmental justice. Throughout the course, emphasis is placed on assisting students in exploring green employment opportunities.

3/0/0 FA/SP/SU

TECHNOLOGY**TEC 101 Career Readiness I 1 cr.**

This course is part of a 3-part sequence of career exploration courses. This initial course provides a career exploration introduction. Students will perform personal and career assessments, and develop job search and interviewing skills. The course is geared toward students with limited professional/career experience in their field of interest or studies.

1/0/0

TEC 120 Safety Management 3 cr.

An overview of fundamentals of Safety Management Principles. A detailed review of OSHA regulations and standards pertinent to engineers and managers that expect to perform and/or influence safety related activities in an engineering construction project. Minimum safety requirements are discussed in a practical context for immediate application in engineering construction field operations. Course materials include a review of OSHA Standards for the Engineering Construction Industry, a review of selected sections of OSHA Standards for General Industry, a review of general principles of Engineering construction safety management. Furthermore, at the end of the course, eligible students receive an OSHA "30 Hour Training Certificate in Occupational Safety and Health for Construction."

3/0/0

TEC 201 Career Readiness II 1 cr.

This course is part of a 3-part sequence of career exploration courses. In this course the students continue with the Career exploration series and they will take a deeper dive into career preparation by applying many of the concepts they learned in the series by connecting with professional industries through mentors, site visits, and observations. The course is geared toward students with some professional/career experience in their field of interest or studies.

Prerequisite: ENG 101 and TEC 101
0/0/8 FA/SP/SU

TEC 202 Career Readiness III 1 cr.

This course is part of a 3-part sequence of career exploration courses. The series culminates with this course where students will demonstrate their knowledge of possible career paths by immersing themselves in their career interests either through research or work experience. A total of 120 hours of either work experience or field study is required during this course. The course is geared toward students with extensive professional/career experience in their field of interests or studies.

Prerequisite: ENG 101, TEC 101, TEC 201
0/0/8

TEC 211 Entrepreneurship 3 cr.

The course provides students with a solid foundation of the vital role played by entrepreneurs and entrepreneurship in the 21st century global economy. They will assess, explore, critique, and celebrate the phenomenon of entrepreneurship. The emphasis is on entrepreneurship as a manageable process that can be applied in virtually any organizational setting. Moreover, the course focuses on the creation of new ventures, their development process, and factors associated with their success. Further, the course covers theory and practice, with the applications of principles, concepts and frameworks to real world situations.

3/0/0

TEC 212 Project Management 3 cr.

The course covers key components of project management including project integration, project scope management, project time and cost management, quality management, human resource considerations, communications, risk management, and procurement management.

Prerequisite: ENG 101
3/0/0

THEATRE

THR 101 Introduction to Theatre 3 cr.

By the examination of dramatic literature conclusions are drawn regarding our political, social and psychological relationship to the environment. An appreciation for the theatrical event is included through studying the basic elements of a theatrical production and through experiencing a live performance (ticket prices are varied based on the performance selected by the student).

3/0/0 FA/SP

THR 105 Fundamentals of Acting I 3 cr.

This course focuses on the fundamentals of acting with application of the principles and theory of creative acting. It includes exercises in the acting methods and practices of the modern actor. It requires performance of scenes and exercises from contemporary and classic dramatic literature.

3/0/0 FA

THR 110 Stagecraft I 3 cr.

This course offers practical experience in scene design and construction; lighting; costuming; make-up; and sound effects. It focuses on the terminology and equipment appropriate for a stage and investigates the visual and technical aspects of the nature of stagecraft.

2/3/0 Course fee charged

THR 111 Stagecraft II 3 cr.

This course continues the fundamentals learned in THR 110.

Prerequisite: THR 110 or permission

2/3/0 Course fee charged

THR 125 Voice and Diction 3 cr.

Voice and Diction is the study of vocal mechanisms, phonetics, and related exercises to improve articulation, pronunciation and expressive intonation. The course also covers the International Phonetic Alphabet and its uses in vocal performance.

3/0/0

THR 130 Musical Theatre Workshop 3 cr.

This course is available to all RCBC students. Students will learn singing, dancing and acting skills and will be expected to execute those skills in multiple performances of a fully costumed, technically complete musical production. Audition required.

Prerequisite: Instructor permission

0/9/0

THR 132 Musical Theatre Workshop II 3 cr.

This course is available to all RCBC students who have successfully completed THR 130. In this second performance based course students will expand their basic singing, dancing and acting skills and will be expected to execute advanced skills in multiple performances of a fully costumed, technically complete musical production. Audition required.

Prerequisite: Instructor permission and THR 130
0/9/0

THR 219 Theatre Laboratory 3 cr.

This course covers theatre production under supervised, laboratory conditions for advanced students.

Prerequisite: THR 105, THR 106, or THR 110 and/or permission

TURKISH

TUR 101 Elementary Turkish I 3 cr.

This course is for beginners who have no previous knowledge of Turkish. Elementary Turkish I introduces basic vocabulary and grammar rules and focuses on building language competencies in listening, reading, speaking and writing.

3/0/0

TUR 102 Elementary Turkish II 3 cr.

This course is for students who have limited knowledge of Turkish. Elementary Turkish II focuses on building upon demonstrated skills in listening, speaking, reading and writing Turkish.

Prerequisite: TUR 101

3/0/0

Professors Emeritus

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Humanities and Social Sciences*

AYRES, STANLEIGH

*Professor Emeritus
Science, Technology, Engineering and
Mathematics*

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*Professor Emeritus
Humanities and Social Science*

WHITE, WILLIAM

*Professor Emeritus
Language and Literature*

***WILLIAMS, GEORGE**

*Professor Emeritus
Humanities and Social Science*

WOODS, BENNIE

*Professor Emeritus
Language and Literature*

**deceased*

About RCBC - Campus Maps

About Rowan College at Burlington County

Rowan College at Burlington County is ranked among the top community colleges in the nation for boosting graduates' earning power and it is reinventing itself into the national model of higher education for academic and workforce development programs.

In June 2015, the former Burlington County College established a new partnership with Rowan University, providing students conditional-acceptance into the university. Rowan University offers RCBC students discounts for programs online and on the Mount Laurel campus and makes it possible to earn a bachelor's degree for less than what most universities charge for a single year. Rowan University offers RCBC students discounts for programs online and on the Mount Laurel campus and makes it possible to earn a bachelor's degree for less than what most universities charge for a single year.

The college offers associate degree programs, certificates, career track majors, continuing education classes and business training from the Workforce Development Institute. Your RCBC degree allows you to seamlessly enter Rowan University and transfer to many other local and national four-year institutions.

RCBC is bringing the modern campus experience to its main campus in Mount Laurel, which will enhance students' ability to collaborate with their peers and outstanding faculty, which will help you succeed. We are committed to helping students meet their educational and professional goals in the most affordable, accessible and engaging educational environment.

A reminder for all students, please note you are required to register your vehicle with Public Safety.

Emergency Call Boxes are located in most student parking lots in Mount Laurel. The Call Boxes will link you directly with the RCBC Public Safety Office.

Please note violators of RCBC's parking regulations may be towed at the owner's expense.

For more information on the college's facilities improvements, please visit rbc.edu/campus-transformation.

For more information, directions, and building floor plans on each location please visit:

Mount Laurel Campus
rbc.edu/mount-laurel

Mount Holly Campus
rbc.edu/mount-holly

Willingboro Campus
rbc.edu/willingboro-campus

Military Education Center
rbc.edu/joint-base-campus

Public Transportation to RCBC

RCBC's Mount Laurel, Willingboro and Mount Holly campuses are accessible via a variety of public transit options. The Mount Laurel Campus is served by NJ Transit Route 317, while the Willingboro Campus is served by the BurLink shuttle bus service.

NJ Transit Route 317

For schedule information call NJ Transit at (973) 275-5555; for special information for the hearing impaired: (800) 772-2287 (with teleprinter 9 am–5:30 pm, Mondays-Fridays)

BurLink Bus Service

BurLink, the mini-bus service operated by the Burlington County Board of Chosen Freeholders, serves the Willingboro and Mount Holly campuses.

Schedules are available at all RCBC locations.

For details, visit the website, driveless.com or call BurLink customer service at (856) 461-1806.

Weather-Related Emergencies

RCBC uses several different media to alert students to emergencies, such as weather-related closings or delays. Messages will be sent via phone calls, text and email messages to the contacts listed in a student's Self-Service account. Students should make sure their contact information is always accurate and up-to-date. To update your contact information, log in to Self-Service and click on "emergency contact information."

In the event of severe weather that may interrupt the college schedule, announcements will be posted on the college website, rbc.edu and social media pages and with local television and radio outlets.

Mount Laurel Campus



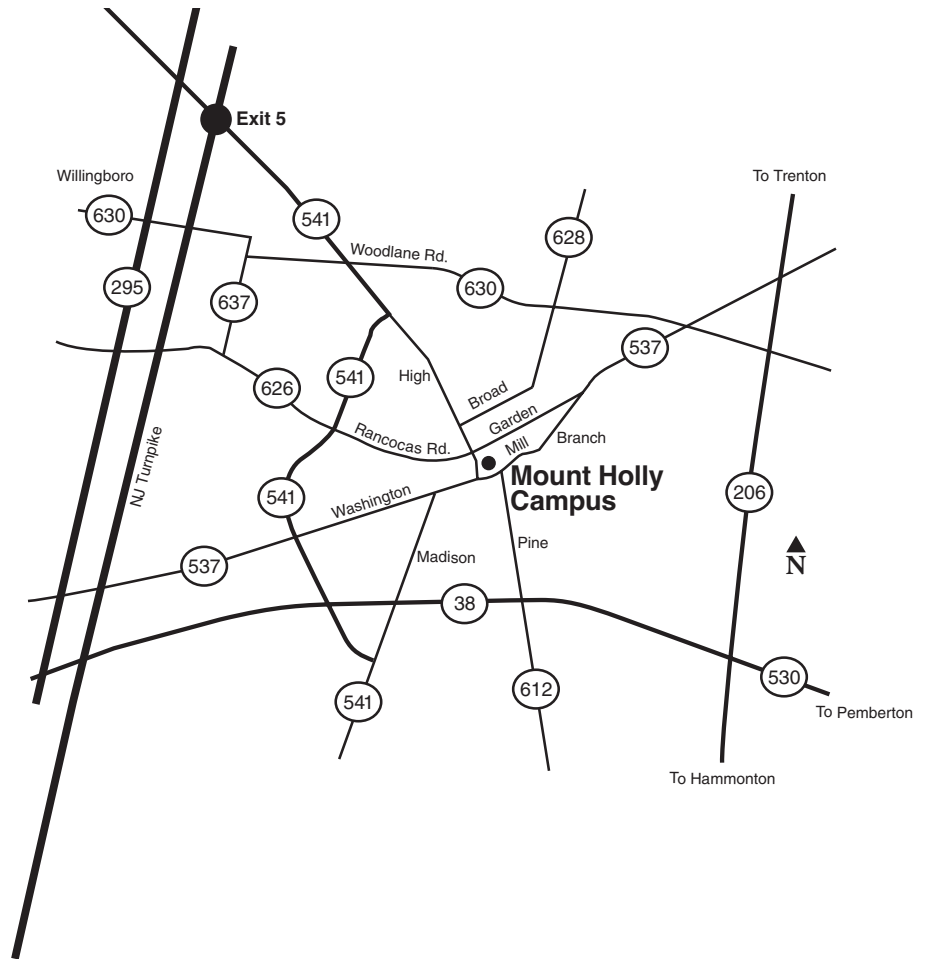
Violators of RCBC parking regulations may be towed at the owner's expense. NOTE: Emergency Call Boxes are located in most student parking lots at Mount Laurel. These Call Boxes will link you with the RCBC Public Safety Office.

Mount Holly Campus

Free parking is located behind the RCBC - Mount Holly Campus in a Township parking lot on Paxson Street. It can be accessed from High St. by turning onto Murrell St., and then right onto Paxson St.,

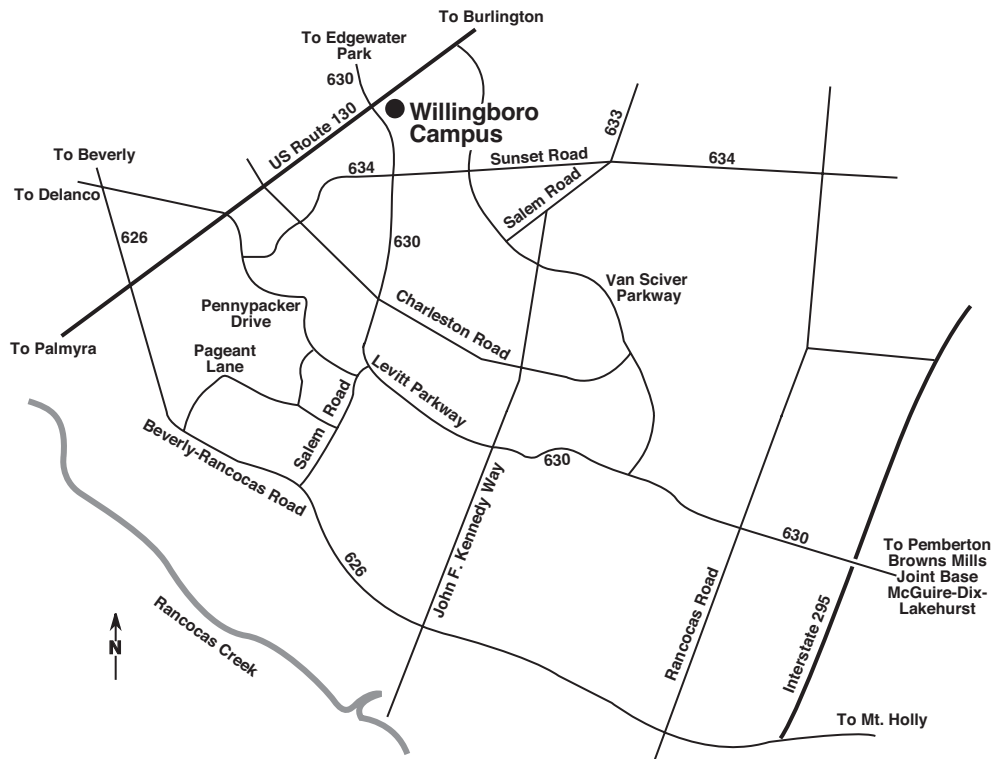
OR from Mill St. turn onto Paxson St., go 1/2 block to the parking lot.

You can enter the RCBC - Mount Holly Campus through the entrance located in the back of the building.



Willingboro Campus

The Center is located in the Willingboro Town Center at Route 130 North between Levitt and Van Sciver Parkways.



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