



ADDENDUM
-- OCTOBER 2020 --

CATALOG
Fall 2019 through Summer 2020



Rowan College
at
BURLINGTON COUNTY

Course Descriptions

The following course fees were inadvertently omitted when the original catalog was published in August 2019 (pages 142-185).

Course #	Course Name	Cr. Fees	Course #	Course Name	Cr. Fees
ACC-213	Cost Accounting	4 Course Fee Charged	MCR-221	Cancer Registry Clinical II	2 Course Fee Charged
ART-135	3D Design	3 Course Fee Charged	MRP-151	MRI Clinical Education II	3 Course Fee Charged
BIO-330	Advanced Microbiology	4 Course Fee Charged	MRP-152	MRI Clinical Education III	3 Course Fee Charged
CTP-150	CT Clinical Education	3 Course Fee Charged	MTH-012	College Algebra Clinic	3 Course Fee Charged
CTP-151	CT Clinical Education II	3 Course Fee Charged	MTH-030	Precalculus Clinic	3 Course Fee Charged
CTP-152	CT Clinical Education III	3 Course Fee Charged	MTH-055	Pre Algebra	4 Course Fee Charged
DDT-205	Structural Systems I	4 Course Fee Charged	MTH-075	Elementary Algebra	4 Course Fee Charged
DHY-130	Medical & Dental Emergencies	1 Course Fee Charged	MTH-143	Statistics I	4 Course Fee Charged
DHY-140	Oral Embryology and Histology	2 Course Fee Charged	MUP-131	Applied Music I - Woodwind	1 Course Fee Charged
DHY-160	Periodontology I	2 Course Fee Charged	MUP-132	Applied Music I - Brass	1 Course Fee Charged
DHY-200	Dental Pharmacology and Pain Control	2 Course Fee Charged	MUP-133	Applied Music I - Strings	1 Course Fee Charged
DHY-210	Periodontology II	2 Course Fee Charged	MUP-134	Applied Music I - Percussion	1 Course Fee Charged
DHY-220	Oral Pathology	3 Course Fee Charged	MUP-135	Applied Music I - Voice	1 Course Fee Charged
DMS-101	Introduction to Sonography	2 Course Fee Charged	MUP-136	Applied Music I - Composition	1 Course Fee Charged
DMS-102	Cross Sectional Anatomy	2 Course Fee Charged	MUP-137	Applied Music I - Piano	1 Course Fee Charged
DMS-107	Ultrasound Abdomen	3 Course Fee Charged	MUP-138	Applied Music I - Guitar	1 Course Fee Charged
DMS-110	Ultrasound Physics I	2 Course Fee Charged	MUP-139	Applied Music-Secondary Instrument	1 Course Fee Charged
DMS-113	Ultrasound OB/GYN I	2 Course Fee Charged	MUP-141	Applied Music II - Woodwind	1 Course Fee Charged
DMS-130	Ultrasound Pediatrics and Small Parts	2 Course Fee Charged	MUP-142	Applied Music II - Brass	1 Course Fee Charged
DMS-211	Ultrasound Physics II	2 Course Fee Charged	MUP-143	Applied Music II - Strings	1 Course Fee Charged
DMS-214	Ultrasound OB/GYN II	3 Course Fee Charged	MUP-144	Applied Music II - Percussion	1 Course Fee Charged
DMS-218	Ultrasound Vascular	2 Course Fee Charged	MUP-145	Applied Music II	1 Course Fee Charged
EGR-210	Design Computer Graphics III	3 Course Fee Charged	MUP-145	Applied Music II - Voice	1 Course Fee Charged
EMS-102	Psychomotor Skills for EMT Certification	1 Course Fee Charged	MUP-146	Applied Music II - Composition	1 Course Fee Charged
ENG-080	College Composition I Clinic	3 Course Fee Charged	MUP-147	Applied Music II - Piano	1 Course Fee Charged
FAD-107	Fashion Drawing	3 Course Fee Charged	MUP-148	Applied Music II - Guitar	1 Course Fee Charged
FAD-131	Research Methods for Fashion Design	3 Course Fee Charged	MUP-149	Applied Music II - Secondary Instrument	1 Course Fee Charged
FAD-131	Fashion Research Methods	3 Course Fee Charged	MUP-231	Applied Music III - Woodwind	1 Course Fee Charged
FAD-135	Intro to Textiles	3 Course Fee Charged	MUP-232	Applied Music III - Brass	1 Course Fee Charged
FAD-160	Fashion Technology	3 Course Fee Charged	MUP-233	Applied Music III - Strings	1 Course Fee Charged
GIS-291	Geospatial Technology Project/Internship	1 Course Fee Charged	MUP-234	Applied Music III - Percussion	1 Course Fee Charged
GIS-292	Geospatial Technology Project/Internship	2 Course Fee Charged	MUP-235	Applied Music III - Voice	1 Course Fee Charged
GIS-293	Geospatial Technology Project/Internship	3 Course Fee Charged	MUP-236	Applied Music III - Composition	1 Course Fee Charged
HIT-102	Intro to Health Information Technology	3 Course Fee Charged	MUP-237	Applied Music III - Piano	1 Course Fee Charged
HIT-110	Professional Practice Experience I	2 Course Fee Charged	MUP-238	Applied Music III - Guitar	1 Course Fee Charged
HIT-115	Pathophysiology	3 Course Fee Charged	MUP-239	Applied Music III - Secondary Instrument	1 Course Fee Charged
HIT-117	Pharmacology	3 Course Fee Charged	MUP-241	Applied Music IV - Woodwind	1 Course Fee Charged
HIT-211	Reimbursement Methodologies	3 Course Fee Charged	MUP-242	Applied Music IV - Brass	1 Course Fee Charged
HIT-224	Healthcare Information Systems	3 Course Fee Charged	MUP-243	Applied Music IV - Strings	1 Course Fee Charged
HIT-238	Applications in Acute Care Coding	3 Course Fee Charged	MUP-244	Applied Music IV - Percussion	1 Course Fee Charged

Course Descriptions

The following course fees were inadvertently omitted when the original catalog was published in August 2019 (pages 142-185).

Course #	Course Name	Cr.	Fees	Course #	Course Name	Cr.	Fees
MUP-245	Applied Music IV - Voice	1	Course Fee Charged	PAR-121	Principles of Paramedic Science II	8	Course Fee Charged
MUP-246	Applied Music IV - Composition	1	Course Fee Charged	PAR-122	Paramedic Skills and Scenario Lab II	1	Course Fee Charged
MUP-247	Applied Music IV - Piano	1	Course Fee Charged	PAR-123	Paramedic Clinical Practice II	1	Course Fee Charged
MUP-248	Applied Music IV - Guitar	1	Course Fee Charged	PAR-231	Principles of Paramedic Science III	4	Course Fee Charged
MUP-249	Applied Music IV - Secondary Instrument	1	Course Fee Charged	PAR-232	Paramedic Skills and Scenario Lab III	1	Course Fee Charged
MUS-111	Brass Ensemble I	1	Course Fee Charged	PAR-233	Paramedic Clinical Practice III	2	Course Fee Charged
MUS-112	Brass Ensemble II	1	Course Fee Charged	PAR-242	Paramedic Skills and Scenario Lab IV	2	Course Fee Charged
MUS-113	Brass Ensemble III	1	Course Fee Charged	PAR-243	Paramedic Clinical Practice IV	3	Course Fee Charged
MUS-114	Brass Ensemble IV	1	Course Fee Charged	PAR-252	Paramedic Skills and Scenario Lab V	1	Course Fee Charged
MUS-121	Jazz Ensemble I	1	Course Fee Charged	PAR-253	Paramedic Field Internship I	3	Course Fee Charged
MUS-122	Jazz Ensemble II	1	Course Fee Charged	PAR-262	Paramedic Skills and Scenario Lab VI	1	Course Fee Charged
MUS-123	Jazz Ensemble III	1	Course Fee Charged	PAR-263	Paramedic Field Internship II	3	Course Fee Charged
MUS-124	Jazz Ensemble IV	1	Course Fee Charged	PAR-272	Paramedic Skills and Scenario Lab VII	1	Course Fee Charged
MUS-125	Vocal Jazz Ensemble I	1	Course Fee Charged	PAR-273	Paramedic Field Residency	2	Course Fee Charged
MUS-126	Vocal Jazz Ensemble II	1	Course Fee Charged	PAR-290	Independent Study for Paramedic Science	1	Course Fee Charged
MUS-127	Vocal Jazz Ensemble III	1	Course Fee Charged	RAD-127	Radiographic Image Prod, Chara, and Prin	2	Course Fee Charged
MUS-128	Vocal Jazz Ensemble IV	1	Course Fee Charged	RAD-129	Digital Image Acquisition and Display	2	Course Fee Charged
MUS-131	String Ensemble I	1	Course Fee Charged	RAD-235	Radiographic Imaging Equipment	2	Course Fee Charged
MUS-132	String Ensemble II	1	Course Fee Charged	RAD-240	Radiography Clinical Procedure IV	3	Course Fee Charged
MUS-133	String Ensemble III	1	Course Fee Charged	RAD-242	Clinical Practicum and Image Evaluation IV	3	Course Fee Charged
MUS-134	String Ensemble IV	1	Course Fee Charged	RAD-250	Radiography Clinical Procedures V	2	Course Fee Charged
MUS-135	Guitar Ensemble I	1	Course Fee Charged				
MUS-136	Guitar Ensemble II	1	Course Fee Charged				
MUS-137	Guitar Ensemble III	1	Course Fee Charged				
MUS-138	Guitar Ensemble IV	1	Course Fee Charged				
MUS-141	Woodwind Ensemble I	1	Course Fee Charged				
MUS-142	Woodwind Ensemble II	1	Course Fee Charged				
MUS-143	Woodwind Ensemble III	1	Course Fee Charged				
MUS-144	Woodwind Ensemble IV	1	Course Fee Charged				
MUS-145	Percussion Ensemble I	1	Course Fee Charged				
MUS-146	Percussion Ensemble II	1	Course Fee Charged				
MUS-147	Percussion Ensemble III	1	Course Fee Charged				
MUS-148	Percussion Ensemble IV	1	Course Fee Charged				
MUS-161	College/Community Concert Band I	1	Course Fee Charged				
MUS-162	College/Community Concert Band II	1	Course Fee Charged				
MUS-163	College/Community Concert Band III	1	Course Fee Charged				
MUS-164	College/Community Concert Band IV	1	Course Fee Charged				
PAR-111	Principles of Paramedic Science I	4	Course Fee Charged				
PAR-112	Paramedic Skills and Scenario Lab I	1	Course Fee Charged				
PAR-113	Paramedic Clinical Practice I	1	Course Fee Charged				

General Information

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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)
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The American Association of Collegiate Registrars and Admissions Officers
The American Association of Community Colleges (AACC)
The American Health Information Management Association (AHIMA)
Association of New Jersey Holocaust Organizations
Association of Physical Plant Administrators (APPA)
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
The College Board
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)
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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)
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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 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)



Option to Electrical Engineering Technology, (AAS.PCT)

The Computer Networking 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 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 option should be able to:

- Apply the knowledge, techniques, skills, and modern tools of the discipline to engineering technology activities;
- Apply knowledge of analog and digital electronics, computers, networks, mathematics and science to technical problems or projects;
- Conduct standard laboratory tests and measurements, and to analyze and interpret experiments;
- Function effectively as a member of a technical team;
- Identify the characteristics of, analyze and solve technical problems;
- Apply written, oral, and graphical communication in both technical and nontechnical environments; and an ability to use appropriate technical literature;
- Express a commitment to address professional development through conferences, seminars, courses and the pursuit of advanced degrees;
- Express a commitment to address professional and ethical responsibilities, including societal and global issues and a respect for diversity;
- Recognize a commitment to quality, timeliness and continuous improvement;
- Apply circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers, and engineering standards to the building, testing, operation, and maintenance of electrical/electronic(s) systems;
- Apply principles of physics or chemistry to electrical/electronic(s) circuits in a rigorous mathematical environment at or above the level of algebra and trigonometry.

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
EET 121	Circuits I	4
EET 210	IT Essentials: A+	4
EET 230	Semiconductor Electronics	4
EET 240	Digital Electronics	4
Total		28

Program Electives		Credits
<i>Select 8 credit hours from the following:</i>		
CIS 165	Network and Systems Administration	4
CIS 200	Fundamentals of Computer Security	4
CIS 207	Introduction to Computer Forensics	3
EET 222	Circuits II	3
EET 232	Analog Integrated Circuits	4
EGR 151	Freshman Engineering Clinic I	2
EGR 152	Freshman Engineering Clinic II	2
Total		8

Total Required for Degree	60
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The Rowan College of Burlington County Computer Networking Technology program is accredited by the Engineering Technology Accreditation Commission of ABET
abet.org



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 Computer Networking Technology Option is on page 89.

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 I	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

The Rowan College of Burlington County
Electrical Engineering Technology program
is accredited by the Engineering Technology
Accreditation Commission of ABET
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