

Cabarrus
tech



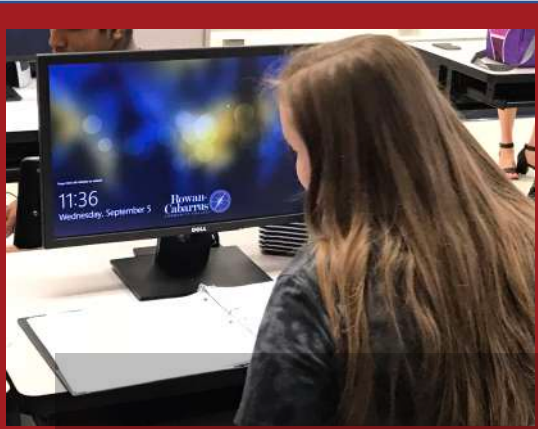
college pathways



Your Path, Your Future

College
Transfer

Career &
Technical



Pre-Majors

Art

Biology

Business

Computer Science

Criminal Justice

Education

Engineering

Exercise Science

Law

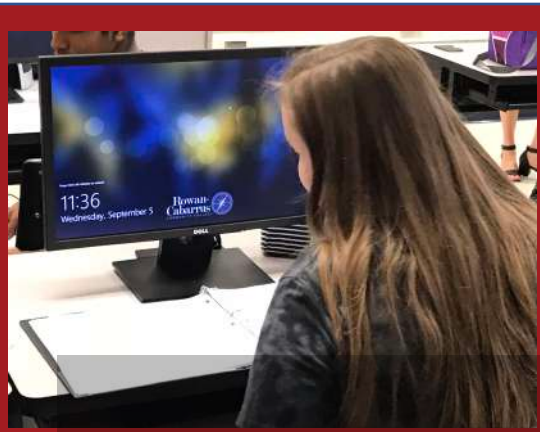
Med

Nursing

Political Science

Psychology

Sociology



Pre-Majors

Art

CoursesTitle

ART 114 Art History I

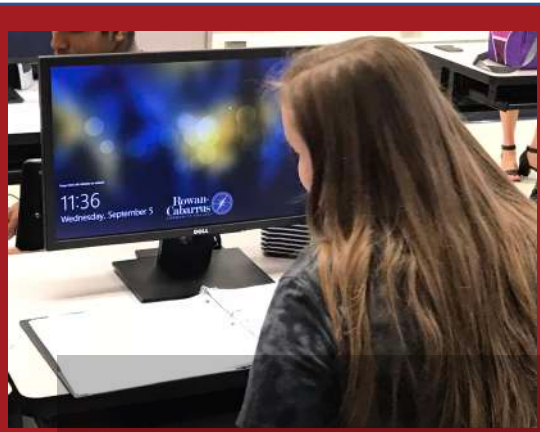
ART 115 Art History II

ART 121 Design I/Two-Dimensional Design

ART 122 Design II/Three-Dimensional Design

ART 131 Drawing I

BACK



Pre-Majors

Biology

CoursesTitle

BIO 111: General Biology I w Lab

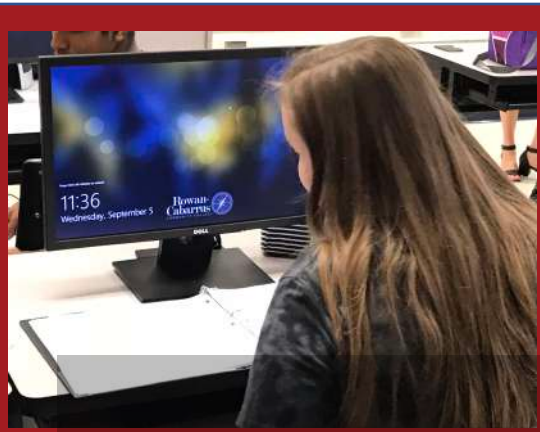
BIO 112: General Biology II w Lab

CHM 151: General Chemistry I w Lab

CHM 152: General Chemistry II w Lab

MAT 263: Brief Calculus or MAT 271: Calculus I

← BACK



Pre-Majors

Business

Courses Title

ACC 120: Principles of Financial Accounting

ACC 121: Principles of Managerial Accounting

BUS 110: Introduction to Business

BUS 115: Business Law

CIS 110: Introduction to Computers

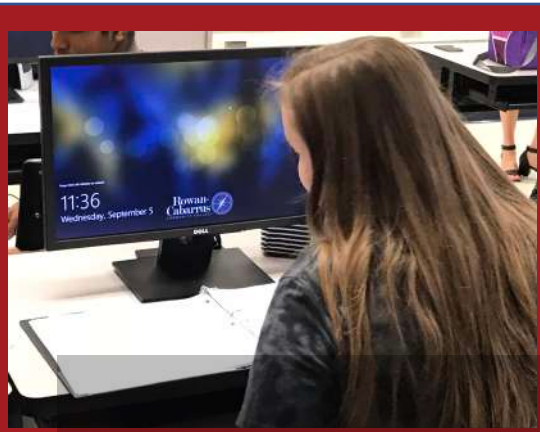
ECO 251: Principles of Microeconomics

ECO 252: Principles of Macroeconomics

MAT 263: Brief Calculus



BACK



Pre-Majors

Computer Science

CourseTitle

CIS 115: Intro to Prog & Logic

CSC 120: Intro to Computing Fundamentals I

CSC 151: JAVA Programing

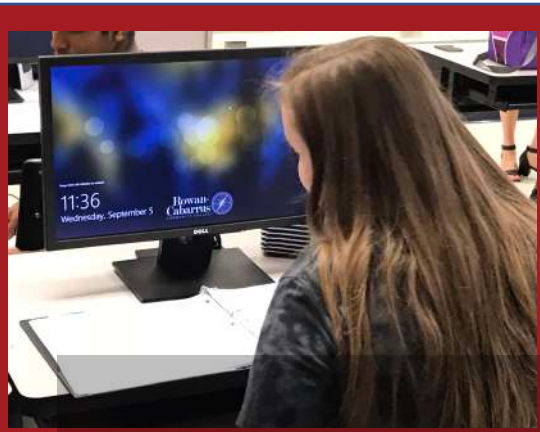
CSC 251: Adv. Java Programing

MAT 152: Statistical Methods I

MAT 271: Calculus I



BACK



Pre-Majors

Criminal Justice

CourseTitle

CJC 111: Intro to Criminal Justice

CJC 113: Juvenile Justice

CJC 121: Law Enforcement Operations

CJC 141: Corrections

CJC 212: Ethics & Community Relations

BACK



Pre-Majors

Education

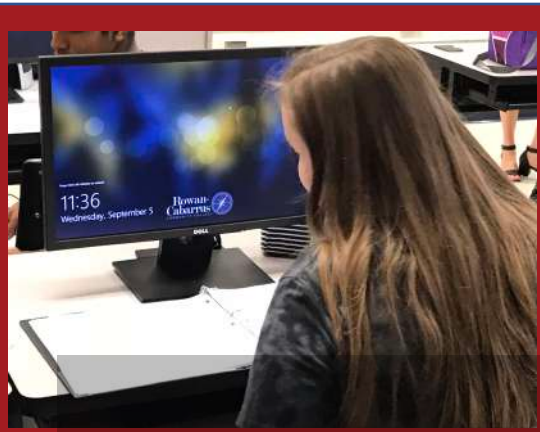
CourseTitle

EDU courses *COMING SOON*

PSY 110:Life Span Development

PSY 150:General Psychology

BACK



Pre-Majors

Engineering

CourseTitle

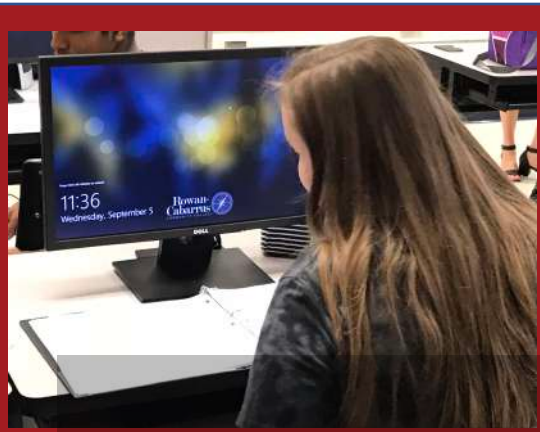
CHM 151:General Chemistry I

ECO 252:Principles of Macroeconomics

MAT 271:Calculus I

MAT 272:Calculus II

BACK



Pre-Majors

Exercise Science

CourseTitle

BIO 168:Anatomy & Physiology I

BIO 169:Anatomy & Physiology II

CHM 151:General Chemistry I w Lab

CHM 152: General Chemistry II w Lab

PSY 150:General Psychology

← BACK



Pre-Majors

Law

There is no degree or major that is Pre-Law. Instead, students get a degree in a related field that will prepare them for medical school. Two suggested pre-majors are:

Criminal Justice

Political Science

BACK



Pre-Majors

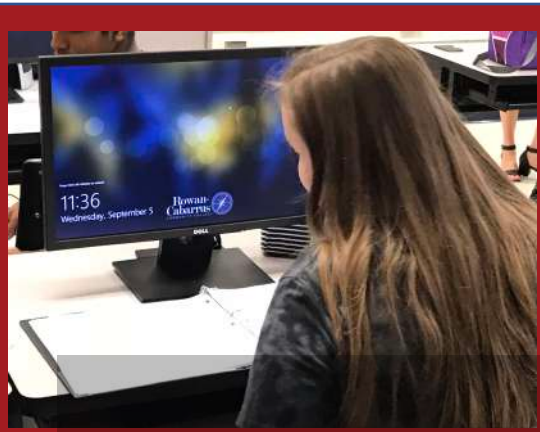
Med

There is no degree or major that is Pre-Med. Instead, students get a degree in a related field that will prepare them for medical school. Two suggested pre-majors are:

Biology

Exercise Science

BACK



Pre-Majors

Nursing

CourseTitle

CHM 131: Introduction to Chemistry w/ Lab

CHM 132: Organic & Biochem w/ Lab

BIO 168:Anatomy & Physiology I

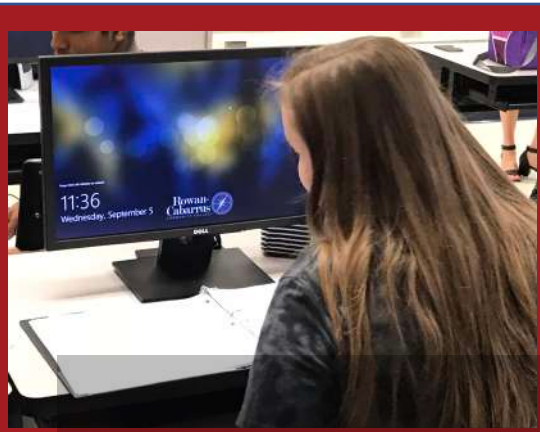
BIO 169:Anatomy & Physiology II

PSY 150: General Psychology

PSY 241: Developmental Psychology

SOC 210: Introduction to Sociology

BACK



Pre-Majors

Political Science

CourseTitle

POL 120: American Government

POL 130: State & Local Government

POL 220: International Relations

BACK



Pre-Majors

Psychology

CourseTitle

MAT 152: Statistical Methods

PSY 150: General Psychology

PSY 237: Social Psychology

PSY 246: Adolescent Psychology

PSY 281: Abnormal Psychology

← BACK



Pre-Majors

Sociology

CourseTitle

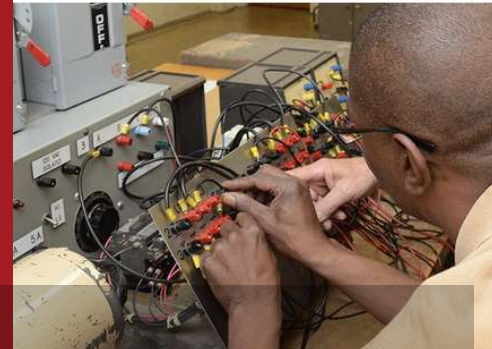
PSY 150:General Psychology

SOC 210:Introduction to Sociology

SOC 213:Sociology of the Family

BACK

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AAS Programs

Computer Programing &
Development

Air-Conditioning, Heating
& Refrigeration

Cybersecurity

Light-Duty Diesel

Construction
Management

Cosmetology

Motorsports
Management

Electrical Systems
Technology



Computer Programming & Development

This degree provides students with the skills to develop software for a broad range of devices. The courses not only teach students how to write programs, but students will also learn how to test and debug programs and learn how to use integrated development environments which make creating computer programs simpler, fun, and exciting.

Graduates will be able to support the software development needs of businesses in a wide variety of industries, including healthcare, manufacturing, insurance, finance and software publishing.

[View Courses](#)

[BACK](#)



Computer Programing & Development

CourseTitle

CIS-110 Introduction to Computers
CTI-110 Web, Programming, and Database Foundation
CTI-120 Network and Security Foundation
CTS-115 Information Systems Business Concepts
CSC-120 Computing Fundamentals I
CSC-134 C++ Programming
CSC-139 Visual BASIC Programming
WEB-110 Internet/Web Fundamentals
DBA-110 Database Concepts

CourseTitle

CSC-151 JAVA Programming
CSC-121 Python Programming
CSC-153 C# Programming
CTS-120 Hardware/Software Support
DBA-120 Database Programming I
CSC-251 Advanced JAVA Programming
CSC-253 Advanced C# Programming
CTS-220 Adv Hard/Software Support
CTS-240 Project Management
WBL-110 World of Work

BACK



Rowan-Cabarrus Community College recently became officially designated as a National Center of Academic Excellence in Cyber Defense Two-Year Education (CAE2Y) through academic year 2019, a feat that establishes the College as one of the nation's academic trailblazers in the area of cybersecurity.

Upon completion of the program, participants will be prepared for lucrative careers in both local and national industries such as law enforcement and banking. And our partnership with the NSA and DHS gives Rowan-Cabarrus students internship and field trips with these agencies.





CourseTitle

CIS-110 Introduction to Computers
CTI-110 Web, Programming, and Database Foundation
CTI-120 Network and Security Foundation
NET-125 Introduction to Networks
NET-126 Routing Basics
CTS-115 Information Systems Business Concepts
NET-225 Routing & Switching I
NET-226 Routing and Switching II
SEC-110 Security Concepts

CourseTitle

SEC-150 Secure Communications
CSC-111 Intro to Ethical Hacking
CTS-120 Hardware/Software Support
NOS-120 Linux/UNIX Single User
CCT-112 Ethics & High Technology
CTI-140 Virtualization Concepts
CTS-220 Adv Hard/Software Support
CTS-240 Project Management
SEC-210 Intrusion Detection
WBL-110 World of Work



BACK



The cosmetology curriculum is designed to provide competency-based knowledge, scientific and artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment which enables students to develop manipulative skills.



[View Courses](#)



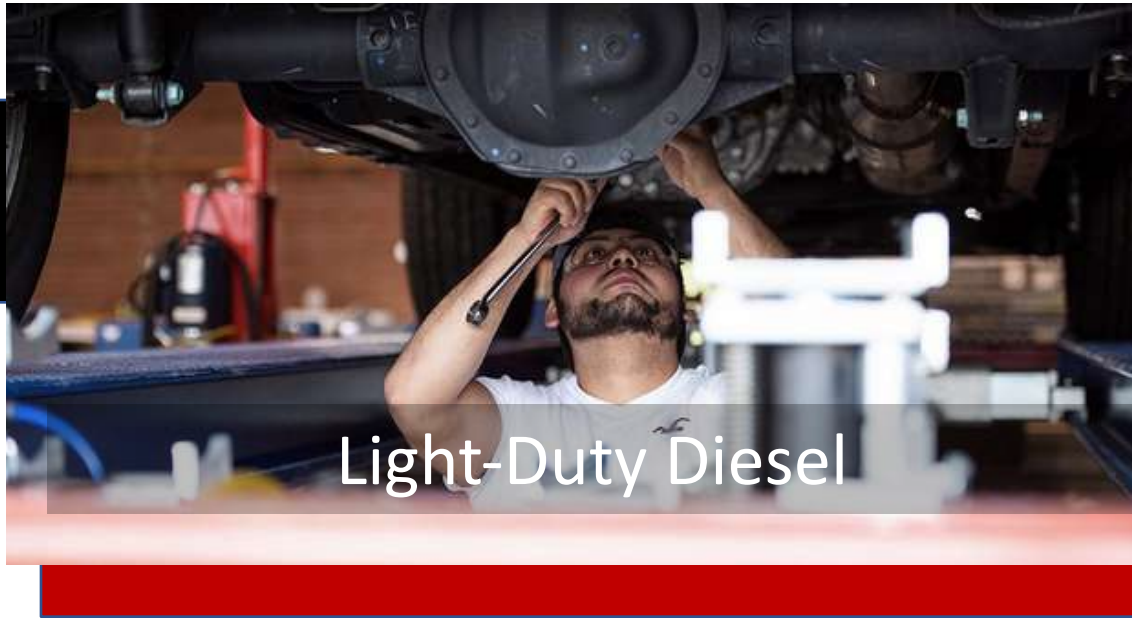
CourseTitle

COS-111 Cosmetology Concepts I
COS-112 Salon I
MKT-232 Social Media Marketing
COS-113 Cosmetology Concepts II
COS-114 Salon II

CourseTitle

COS-116 Salon III
COS-117 Cosmetology Concepts IV
COS-118 Salon IV
COS-223 Contemp Hair Coloring
COS-240 Contemporary Design
CIS-110 Introduction to Computers

BACK



The Light-Duty Diesel Technology program will focus on cars and trucks, with max towing capacity of 8,500 to 10,000 pounds, and small diesel generators. Graduates will be prepared enter careers as entry-level technicians in the transportation industry, such as automotive repair shops.





CourseTitle

LDD-112 Intro Light-Duty Diesel
TRN-110 Introduction to Transport
Technology
TRN-120 Basic Transportation Electricity
TRN-170 Pc Skills for Transportation
LDD-116 Diesel Electric-Drive

CourseTitle

LDD-181 LDD Fuel Systems
LDD-183 Air, Exhaust, Emissions
LDD-284 LDD Test and Diagnosis
TRN-130 Intro to Sustainable
Transportation
WBL-110 World of Work

BACK



Motorsports Management Technology

Motorsports is a complex sport and varies based on venue (including air and water), level, vehicle, fuel, sponsorships and modifications. The motorsports curriculum is designed to provide students with the knowledge and skills necessary to perform mid-management level functions in motorsports related companies.

Course work includes instruction in motorsports fundamentals, principles of management, computer applications, accounting, business mathematics, marketing, advertising and sales promotion, and human relations.

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[View Courses](#)



CourseTitle

AHR-110 Introduction to Refrigeration
AHR-112 Heating Technology
ELC-111 Introduction to Electricity
CST-131 OSHA/Safety/Certification
AHR-114 Heat Pump Technology
AHR-130 HVAC Controls
AHR-151 HVAC Duct Systems I
AHR-160 Refrigerant Certification
EGR-125 Appl Software for Tech

CourseTitle

AHR-113 Comfort Cooling
AHR-211 Residential System Design
AHR-212 Advanced Comfort Systems
AHR-225 Commercial System Design
AHR-213 HVACR Building Code
AHR-215 Commercial HVAC Controls
AHR-245 Chiller Systems
Select 5 semester hour credits (SHC) from
ACHRT Elective list

BACK



Air-Conditioning, Heating & Refrigeration Technology

The air conditioning, heating, and refrigeration technology curriculum helps students with basic knowledge to develop the skills necessary to work with residential and light commercial systems. Students can also learn about mechanical refrigeration, heating and cooling theory, electricity, controls, safety and more.

Graduates will have the knowledge and skills necessary to assist in the start up, preventive maintenance, service, repair and/or installation of residential and light commercial systems. They will also have the knowledge and skills necessary to demonstrate an understanding of system selection and balance and advanced systems.



[View Courses](#)



Air Conditioning, Heating & Refrigeration Technology

CourseTitle

AHR-110 Introduction to Refrigeration
AHR-112 Heating Technology
ELC-111 Introduction to Electricity
CST-131 OSHA/Safety/Certification
AHR-114 Heat Pump Technology
AHR-130 HVAC Controls
AHR-151 HVAC Duct Systems I
AHR-160 Refrigerant Certification
EGR-125 Appl Software for Tech

CourseTitle

AHR-113 Comfort Cooling
AHR-211 Residential System Design
AHR-212 Advanced Comfort Systems
AHR-225 Commercial System Design
AHR-213 HVACR Building Code
AHR-215 Commercial HVAC Controls
AHR-245 Chiller Systems
Select 5 semester hour credits (SHC)
from ACHRT Elective list

←
BACK



Construction Management Technology

The CMT program prepares students to supervise, manage, and inspect construction sites, buildings, and associated facilities. It focuses on materials and methods of modern construction, construction site safety, construction management fundamentals, professional construction supervision, labor relations, diversity training, construction documentation, scheduling, residential and commercial estimating, residential and commercial blueprint reading, resource and cost control, construction insurance and bonding, accident management and investigation, applicable construction law and regulations, employability, and communication skills.

←
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[View Courses](#)



Construction Management Technology

CourseTitle

BPR-130 Print Reading-Construction
CMT-210 Construction Management Fundamentals
CMT-212 Total Safety Performance
AHR-120 HVACR Maintenance
CMT-216 Costs and Productivity
CMT-218 Human Relations Issues
EGR-125 Appl Software for Tech
CMT-120 Codes and Inspections
SST-140 Green Building and Design Concepts

CourseTitle

ACC-120 Principles of Financial Accounting
ELC-111 Introduction to Electricity
CMT-214 Planning and Scheduling
CST-241 Planning/Estimating I
ARC-225 Architectural Building Information
Modeling I
SPA-111 Elementary Spanish I
Select 6 semester hour credits (SHC) from
CMT Elective list

BACK



Electrical Systems Technology

The Electrical Systems Technology program is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities.

Training, which is mostly hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic, controllers, industrial motor controls, the National Electric Code, and other subjects as local needs require. Graduates of this program should qualify for a variety of careers in the electrical field as an on-the-job trainee or apprentice in the layout, installation, and maintenance of electrical systems.



[View Courses](#)



Electrical Systems Technology

CourseTitle

ELC-112 DC/AC Electricity
ELC-113 Residential Wiring
ELC-118 National Electrical Code
ELC-126 Electrical Computations
ELC-117 Motors and Controls
ELC-125 Diagrams and Schematics
EGR-125 Appl Software for Tech
ELC-119 NEC Calculations

CourseTitle

ELC-128 Introduction to Programmable
Logic Controller
CST-131 OSHA/Safety/Certification
ELC-115 Industrial Wiring
AHR-120 HVACR Maintenance
ELC-215 Electrical Maintenance
Select 10 semester hour credits (SHC)
from EST Elective list

BACK