Mechanical Engineering Technology (A40320)

ENGINEERING AND TECHNOLOGY PATHWAYS

These curriculums are designed to prepare students through the study and application of principles from mathematics, natural sciences, and technology and applied processes based on these subjects.

Course work includes mathematics, natural sciences, engineering sciences and technology.

Graduates should qualify to obtain occupations such as technical service providers, materials and technologies testing services, process improvement technicians, engineering technicians, industrial and technology managers, or research technicians.

PROGRAM DESCRIPTION

A course of study that prepares the students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

COURSE REQUIREMENTS

Richmond Community College provides day and evening course sequences for selected programs to enable students to better plan what courses to take to reach their educational goals. However, given the continued increase in the use of technology in instruction and increasing student demand for distance learning courses, the College may offer hybrid, online, web-based and information highway courses in place of traditional courses in any course sequence that is listed. Therefore, students should be aware of this possibility and prepare themselves to successfully function in a hybrid, online, web-based, or information highway course.

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To receive a degree, diploma or certificate from RCC, a student must have a grade of “C” or better in all core courses for the program of study.
### Other Major Courses

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### Other Required Courses

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**Total Credit Hours**: 69

*Approved Electives are listed on the page before the Course Descriptions.

### SEMESTER SCHEDULE

#### MECHANICAL ENGINEERING TECHNOLOGY (DAY)

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**Total Credit Hours**

69

* Approved Electives are listed on the page before the Course Descriptions.

**SEMESTER SCHEDULE**

**MECHANICAL ENGINEERING TECHNOLOGY (DIPLOMA) (D40320)**

(DAY)

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**Total Credit Hours** 41

*Approved Electives are listed on the page before the Course Descriptions.

**SEMESTER SCHEDULE**

**MECHANICAL ENGINEERING TECHNOLOGY/COMPUTER-AIDED DRAFTING (CERTIFICATE) (C40320)**

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