



[MET.ASS; CIP Code 15.0508]

Associate in Applied Science - Career

This program prepares students for entry-level employment in the field of mechanical engineering technology as well as transfer into baccalaureate programs leading to careers manufacturing, product development, robotics, automotive, and various other industrial fields. The flexibility offered by this program allows for entrance directly into the workforce or transfer into a BS in Mechanical Engineering Technology program.

Program Learning Outcomes

Students who have completed the program will be able to:

- Apply knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities
- Apply knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge
- Conduct standard tests and measurements, and to conduct, analyze, and interpret experiments
- Identify, analyze, and solve narrowly defined engineering technology problems
- Apply written, oral, and graphical communication in both technical and non-technical environments with use of appropriate technical literature.

Are you ready to get started at RCSJ? Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/enroll) and complete the interest form.

Mechanical Engineering Technology, A.A.S.

FIRST YEAR - Fall Semester

<input type="checkbox"/> EN 101 English Composition I	3
<input type="checkbox"/> EG 101 Introduction to Engineering I	2
<input type="checkbox"/> MA 121 Precalculus Mathematics	4
<input type="checkbox"/> PI 123 Fundamentals of Physics I	4
<input type="checkbox"/> EG 102 Graphics	3
	16

Spring Semester

<input type="checkbox"/> EN 102 English Composition II	3
<input type="checkbox"/> MA 130 Calculus I	4
<input type="checkbox"/> EG 103 Introduction to Engineering Lab I	2
<input type="checkbox"/> PI 124 Fundamentals of Physics II	4
<input type="checkbox"/> IT 107 Circuits I	3
	16

SECOND YEAR - Fall Semester

<input type="checkbox"/> EG 211 Introduction to Engineering II	1
<input type="checkbox"/> EG 201 Statics	3
<input type="checkbox"/> EC 202 Principles of Microeconomics	3
<input type="checkbox"/> CH 101 General Chemistry	4
<input type="checkbox"/> IT 160 CNC Programming	4
	15

Spring Semester

<input type="checkbox"/> Introduction to Engineering II Lab	1
<input type="checkbox"/> Engineering Dynamics	3
<input type="checkbox"/> Programmable Logic Controllers	3
<input type="checkbox"/> Effective Speech	3
<input type="checkbox"/> Matlab Programming	3
	13

TOTAL CREDITS: 60