



Surveying Engineering Technologies, A.A.S.

[AAS-ENT; CIP Code 15.0201]

Associate in Applied Science (A.A.S.) – Career

The Surveying Engineering Technologies Program is for students interested in surveying engineering related careers rather than pure engineering science. It is based on understanding the application of surveying engineering principles. The goal of this program is for students to develop the necessary knowledge and skills for gainful employment as land survey technicians and apprentices or transfer to a four-year Engineering Technologies program. The program includes a balance of technologies, science, mathematics, and general education courses to complete their degree and become more effective technologists in the field.

Program Learning Outcomes

Students who have completed the program will be able to:

- Demonstrate and apply the basic principles of I route and construction surveying
- Utilize modern measurement technologies to acquire spatial data
- Employ industry-standard software to solve technical problems

Program Contact

Frank Derby, Ph.D., Professor, Surveying Engineering Technology, Rowan University, derby@rowan.edu

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

FIRST YEAR – Fall Semester

<input type="checkbox"/> ENG 101 English Composition I	3
<input type="checkbox"/> MAT 107 Pre-Calculus and Mathematical Analysis	4
<input type="checkbox"/> CSC 111 Intermediate Programming	4
<input type="checkbox"/> GEO 115 Intro. to Mapping and GIS	3
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Spring Semester

<input type="checkbox"/> ENG 102 English Composition II	3
<input type="checkbox"/> DFT 103 CADD I	3
<input type="checkbox"/> MAT 103 Statistics	3
<input type="checkbox"/> PHY 111 Earth Science: Land and Sea	4
<input type="checkbox"/> CET 108 Intro. to Surveying	3
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SECOND YEAR – Fall Semester

<input type="checkbox"/> PHY 112 Earth Science: Air and Space	4
<input type="checkbox"/> CET 206 Evidence and Procedures for Boundary Location	3
<input type="checkbox"/> CETE 212 Large Scale Topographic Surveying	3
<input type="checkbox"/> MAT 108 Calculus I	4
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Spring Semester

<input type="checkbox"/> SPE 101 Oral Communications	3
<input type="checkbox"/> PHI 104 Ethics	3
<input type="checkbox"/> MAT 122 Calculus II	4
<input type="checkbox"/> CET 208 Route and Construction Surveying	3
<input type="checkbox"/> ____ Technical elective ¹	
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TOTAL CREDITS: 60

Program Notes

¹ Technical electives: CEP 211 Cooperative Education Experience, CET 201 Codes Contracts and Specifications; CET 207 Hydraulics; DFT 203 3-D Modeling. Note that the prerequisite for DFT 203 3-D Modeling is DFT 211 Architectural and Civil Planning



The 2+2 pathway is a new initiative slightly different from a traditional transfer. Students interested in earning their bachelor's degree in one of these programs must start at RCSJ for the first two years. The last two years are taught by Rowan University faculty, but some classes will be held at RCSJ.