

B.S. IN SURVEYING ENGINEERING TECHNOLOGY (2+2 PROGRAM)

General Education

Total: 12 credits

College Composition I	3
College Composition II	3
Public Speaking or Effective Speech	3
Ethics	3

Math, Science & Intro to Engineering

Total: 26 credits

Calculus I	4
Physics I w/o Calculus	4
Physics II (w/o Calculus)	4
CADD	3
Pre-calculus	4
Calculus II	4
Statistics	3

SET Core

Select 15 credits

Intro to GIS	3
Intro to Surveying	3
Evidence and Procedures for Boundary Location	3
Route Surveying	3
Construction Surveying	3
Topographic Surveying	3

Notes:

Any related credits will be evaluated separately and counted towards the program requirements

FIRST YEAR - Typical Sequence and Mapping to Rowan Courses

FALL	CR	SPRING	CR
Precalculus MATH 01.122 (Quantitative Literacy)	4	Physics I (w/o Calc) PHYS 00.210 (Scientific Literacy)	4
Intro to Geographic Information Systems GEOG 16160	4	Introduction to Surveying SET 01.108	3
College Comp I COMP 01.111	3	Statistics STAT 02.060	3
Intermediate Programming Class (CS 01.104)	3	CADD SET 01.103	3
		College Comp II COMP 01.112	3
TOTAL	14	TOTAL	16

SECOND YEAR - Typical Sequence and Mapping to Rowan Courses

FALL	CR	SPRING	CR
Evidence and Procedures for Boundary Location SET 01.206	3	Gen Ed or Tech Elective	3
Physics II (w/o Calc) PHYS 00.211	4	Public Speaking CMS 04.205 (Comm Literacy)	3
Calculus I MATH 01.130	4	Calculus II MATH 01.131	4
Large Scale Topographic Surveying SET 01.306	3	Ethics PHIL 09.150	3
		Route and Construction Surveying SET 01.208	3
TOTAL	14	TOTAL	16

THIRD YEAR - ROWAN UNIVERSITY

FALL	CR	SPRING	CR
Linear Algebra MATH 01.210	3	Fundamentals of Geodesy SET 01.4	3
Adjustment Computations SET 01.302	4	Parcel-Based Information System SET 01.406	3
Fundamentals of GIS GEOG 16.260	4	Boundary Line Analysis SET 01.305	3
Boundaries and Adjacent Properties SET 01.303	3	Programming in C++ CS 01.104	4
Map Projections and Coordinate Systems SET 01.209	3	Writing Intensive Course Rowan Core	3
TOTAL	17	TOTAL	16

FOURTH YEAR - ROWAN UNIVERSITY

FALL	CR	SPRING	CR
Photogrammetry SET 01.307	2	Surveying From Unmanned Aerial Systems SET 01.308	3
Geodetic Control Surveying SET 01.401	4	Artistic Literacy Rowan Core	3
Terrestrial Laser Scanning SET 14.404	3	Precise Positioning and Data Analysis SET 01.405	3
Professional Practice in Surveying SET 01.402	2	Capstone Project SET 01.490	4
Global Literacy Rowan Core	3		
TOTAL	14	TOTAL	13

TOTAL PROGRAM CREDITS:

120