

Associate in Science

# CIVIL ENGINEERING

TECHNOLOGY

63 Credit Hours



SCHOOL OF BUSINESS AND TECHNOLOGY

www.FSW.edu/sobt

## 2015 – 2016 Program Planning Worksheet / 2 Year Plan

**NOTICE TO STUDENTS:** This document is not to be considered an official program of study, rather a worksheet for preliminary planning purposes. Many courses have minimum grade and/or *prerequisite requirements* as outlined in the college catalog. Students should work with a Student Success Coordinator in the School of Business and Technology.

Student Name: \_\_\_\_\_ Student ID Number: \_\_\_\_\_

### AS DEGREE REQUIREMENTS

General Education Requirements	Credit Hours	AS Met √	Civil Engineering Technology Advanced Course Requirements	Credit Hours	AS Met √
ENC 1101 Composition I	3		ETD 1103C Engineering Graphics I	4	
ENC 1102 Composition II	3		GIS 1040 Geographic Information Systems (GIS)	3	
SPC 1017 Fundamentals of Speech <b>OR</b> SPC 2608 Intro to Public Speaking	3		GIS 1045 Geographic Information Systems (GIS) Customization	3	
ECO 2013 Principles of Macroeconomics	3		MAC 1140 Pre-Calculus Algebra **	3	**
Gen Ed Mathematics * MAC 1105 College Algebra must be taken to meet prerequisites for advanced math core requirements.	3		MAC 1114 Trigonometry **	3	**
Gen Ed Humanities * Recommended: PHI 2100 Logic	3		SUR 1100C Surveying	4	
			SUR 2140C Advanced Surveying	4	
<b>TOTAL GEN ED CREDIT HOURS</b>	<b>18</b>		ETD 2930 Special Topics/Capstone Engineering Technologies	1	
*Courses specified as Mathematics & Social Sciences should be selected from courses listed in the FSW College Catalog's <b>General Education Program Guide.</b>			**MAC 1147 Pre-Calculus Algebra/Trigonometry, along with one additional Specified Elective credit, can be taken as an alternative to MAC 1140 and MAC 1114.	5	N/A if MAC 1140 & MAC 1114 were taken
<b>Foundation Course Requirements</b>	<b>Credit Hours</b>	<b>AS Met √</b>	<b>TOTAL ADVANCED CIVIL ENGINEERING CORE CREDIT HOURS</b>	<b>24 or 25</b>	
BCN 1040 Introduction to Sustainability in Construction	3		<b>Specified Elective Requirements</b>	<b>Credit Hours</b>	<b>AS Met √</b>
BCN 1272 Blueprint Reading	3		Specified Electives may be taken from the following 1000 and 2000 level course prefixes: BCN, BCT,ETD <b>OR</b> ARC 1211 Introduction to Architecture ETD 1949 Engineering Technology Internship SLS 1301 Career & Educational Exploration SLS 1350 Employability Preparation SLS 1515 Cornerstone Experience MAC 2233 Calculus for Business & Social Sciences I STA 2023 Statistical Methods I	1 or 2	
BCN 2710 Construction Procedures	4				
BSC 1051C Environmental Biology: Southwest Florida Ecosystems	3				
EGS 1001 Introduction to Engineering	3				
ETD 1320 Computer Aided Drafting	3				
<b>TOTAL FOUNDATION CORE CREDIT HOURS</b>	<b>19</b>				
<b>Notes:</b>			GRD 2000 Graduation AS Degree Completion	0	
			<b>TOTAL ELECTIVE CREDIT HOURS</b>	<b>1 or 2</b>	
			<b>Degree Completion Requirements</b>	<b>Credit Hours</b>	<b>AS Met √</b>
			<b>TOTAL CREDIT HOURS AS, CIVIL ENGINEERING TECHNOLOGY</b>	<b>63</b>	

### 2015 – 2016 Suggested Course Sequencing / 2 Year Plan

First Year Fall Semester	Credits	Met √	First Year Spring Semester	Credits	Met √	First Year Summer Semester	Credits	Met √
ENC 1101 Composition I	3		ENC 1102 Composition II	3		SPC 1017 Fundamentals of Speech <b>OR</b> SPC 2608 Intro to Public Speaking	3	
ETD 1320 Computer Aided Drafting	3		BCN 1272 Blueprint Reading	3		ECO 2013 Macroeconomics	3	
BCN1040 Introduction to Sustainability in Construction <b>FALL ONLY*</b>	3		BSC 1051C Environmental Biology: Southwest Florida Ecosystems <b>SPRING ONLY*</b>	3		ETD 1103C Engineering Graphics I <b>SUMMER ONLY*</b>	4	
EGS 1001 Introduction to Engineering	3		Gen Ed Mathematics MAC 1105 College Algebra must be taken to meet prerequisites for advanced math core requirements.	3				
<b>Total</b>	<b>12</b>		<b>Total</b>	<b>12</b>		<b>Total</b>	<b>10</b>	

Second Year Fall Semester	Credits	Met √	Second Year Spring Semester	Credits	Met √	Second Year Summer Semester	Credits	Met √
SUR 1100C Surveying <b>FALL ONLY*</b>	4		SUR 2140C Advanced Surveying <b>SPRING ONLY*</b>	4		ETD 2930 Special Topics/Capstone Engineering Technologies	1	
GIS 1040 Geographic Information Systems (GIS) <b>FALL ONLY*</b>	3		GIS 1045 Geographic Information Systems (GIS) Customization <b>SPRING ONLY*</b>	3		Gen Ed Humanities Recommended: PHI 2100 Logic	3	
MAC 1140 Pre-Calculus Algebra **	3		MAC 1114 Trigonometry **	3		Specified Elective	1 or 2	
BCN 2710 Construction Procedures <b>FALL ONLY*</b>	4					GRD 2000 AS CIVL Degree Completion Submit Graduation Application by Deadline	0	
<b>Total</b>	<b>14</b>		<b>Total</b>	<b>10</b>		<b>Total</b>	<b>5 or 6</b>	

**\*Indicates course will be offered ONLY in the term listed**

Unless indicated as "ONLY", courses are scheduled in the terms indicated above and may be offered more frequently.

\*\*MAC 1147 Pre-Calculus Algebra/Trigonometry (5 credit hours), along with one extra Specified Elective credit, can be taken as an alternative to MAC 1140 Pre-Calculus Algebra and MAC 1114 Trigonometry.

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