

EFFECTIVE WITH CLASS ENTERING FALL 2009

**SURVEYING ENGINEERING TECHNOLOGY
Curriculum**

PROGRAM COORDINATOR:

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<u>Course Symbol</u>	<u>Course Title</u>	<u>Lec</u>	<u>Lab/ Rec</u>	<u>Credit</u>
<u>SEMESTER I</u>				
COS103	Introduction to Spreadsheets	1	0	1
ENG101	College Composition	3	0	3
PHY107	Technical Physics I	2	4	4
SVT100	Introduction to Surveying Technology	1	0	1
SVT110	Instrumentation and Data Collectors	1	0	1
SVT121	Autocad for Surveyors I	2	2	3
TME151	Technical Mathematics I: Precalculus	<u>3</u>	<u>0</u>	<u>3</u>
		13	6	16
<u>SEMESTER II</u>				
CET101	Plane Surveying§	2	2	3
PHY108	Technical Physics II	2	4	4
SVT122	Autocad for Surveyors II	2	2	3
TME152	Technical Mathematics II: Precalculus & Intro. Calculus	3	0	3
_____	<i>Artistic and Creative Expression Elective**</i>	<u>3</u>	<u>0</u>	<u>3</u>
		12	8	16
<u>SEMESTER III</u>				
CET202+	Construction Surveying	2	2	3
CMJ103	Fundamentals of Public Communication	3	0	3
MAT215	Introduction to Statistics for Business & Economics	3	0	3
TME253	Applied Calculus for Engineering Technology	4	0	4
_____	<i>Program Elective*</i>	<u>3</u>	<u>0</u>	<u>3</u>
		15	2	16
<u>SEMESTER IV</u>				
CET332	Civil Engineering Technology	3	1	3
•ENG212+	Persuasive and Analytical Writing	3	0	3
SVT331	Photogrammetry	2	3	3
SVT201	Adjustment Computations	3	0	3
◇SVT221	Boundary Law	<u>3</u>	<u>0</u>	<u>3</u>
		14	4	15

§ May substitute FTY208, Forest Surveying & Mapping with permission of advisor.

+ Students can switch CET202 and ENG212

•ENG417, ENG418 & ENG496 can be substituted for ENG212 - only with advisor approval.

◇SVT221 fulfills Western Cultural Tradition Elective

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<u>SEMESTER V</u>				
BUA201	Principles of Financial Accounting I	3	0	3
ENG317	Business and Technical Writing	3	0	3
SVT322	Preparing Effective Property Descriptions	1	0	1
SVT329	Site Planning and Subdivision Design	1	0	1
SVT341	Advanced Surveying	2	2	3
_____	<i>Cultural Diversity Elective**</i>	3	0	3
_____	<i>Population and the Environment Elective**</i>	<u>3</u>	<u>0</u>	<u>3</u>
		16	2	17
<u>SEMESTER VI</u>				
ECO	Principles of Microeconomics- ECO120 or Principles of Macroeconomics- ECO121	3	0	3
_____	Advanced Communication Elective(see list ♠)	3	0	3
SVT352	Practical Field Operations	3	0	3
_____	<i>Program Elective*</i>	3	0	3
_____	<i>Law or Environmental Elective*(BUA220 or CET451)</i>	<u>3</u>	<u>0</u>	<u>3</u>
		15	0	15
<u>SEMESTER VII</u>				
MET484	Engineering Economics	3	0	3
SVT418	Fundamentals of Surveying Exam Overview	1	0	1
SVT437	Practical GPS	2	2	3
SVT475	Small Business Management	3	0	3
_____	<i>Program Elective*</i>	3	0	3
_____	<i>Program Elective*</i>	<u>3</u>	<u>0</u>	<u>3</u>
		15	2	16
<u>SEMESTER VIII</u>				
FTY480	Applied Geographic Information Systems	3	2	3
SVT490	Surveying Capstone	2	2	3
_____	<i>Ethics Elective**</i>	2	0	1
_____	<i>Program Elective*</i>	3	0	3
_____	<i>Program Elective*</i>	3	0	3
_____	<i>Program Elective*</i>	2	0	2
_____	<i>Fundamentals Surveying Exam (passing not required)</i>	<u>0</u>	<u>0</u>	<u>0</u>
		15	4	15

TOTAL DEGREE HOURS REQUIRED FOR BACHELOR'S DEGREE 126

STUDENT MUST SEE ADVISOR FOR APPROVAL OF ALL ELECTIVES

* Lists of approved courses that meet the General Education requirements and Program Electives are available in 119 Boardman Hall.

**General Education Requirement Electives do not have to be taken in the order shown.

♠ Communication classes such as CMJ201, CMJ202, CMJ236, CMJ250, CMJ257, CMJ324, CMJ345, CMJ347, CMJ367 may fulfill the Advanced Communication elective