

# **EFFECTIVE WITH CLASS ENTERING FALL 2021**

## **SURVEYING ENGINEERING TECHNOLOGY**

### **Online Curriculum**

<https://umaine.edu/svt>

Transfer of courses from other institutions is an effective way to work towards an online degree. Please communicate with the program coordinator to ensure your courses will transfer. A list of potential transfer courses is available at <https://umaine.edu/svt/resources/transfer/>

### **PROGRAM COORDINATOR:**

Prof. Raymond Hintz

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### ***CourseLab/***

### **Symbol**

### **Course Title**

### **Credit**

### **SEMESTER I**

COM200	Fundamentals of Public Communication (U of ME-Ft. Kent)	3
COS103	Introduction to Spreadsheets	1
PhysicsI	Physics I (see note(3))	4
SVT100	Introduction to Surveying Technology	1
SVT110	Instrumentation and Data Collectors	1
SVT121	AutoCAD for Surveyors I	3
MAT122	Pre-calculus (see note(1))	<u>4</u>
		17

### **SEMESTER II**

SVT101	Basic Surveying Field and Office Processes	3
ENG101	College Composition (UMaine or U of ME-Augusta)	3
PhysicsII	Physics II (see note(3))	4
MAT 126	Calculus I (see note(1))	3
_____	<i>Artistic and Creative Expression Elective (see note(2))</i>	<u>3</u>
		16

### **SEMESTER III**

SVT202	Route and Site Surveying	3
STS232	Principles of Statistical Inference	3
MAT127	Calculus II (see note (1))	4
SVT122	AutoCAD for Surveyors II	3
_____	<i>Program Elective</i>	<u>3</u>
		16

### **SEMESTER IV**

SVT332	Civil Engr. For Surveyors	3
ENG201	Strategies for Writing Across Contexts	3
SVT201	Adjustment Computations	3
◇SVT221	Boundary Law	3
SVT331	Photogrammetry	<u>3</u>
		15

◇SVT221 fulfills Western Cultural Tradition Elective

# SURVEYING ENGINEERING TECHNOLOGY Curriculum

<u>Course Symbol</u>	<u>Course Title</u>	<u>Credit</u>
<b><u>SEMESTER V</u></b>		
ACC201	Principles of Financial Accounting	3
ENG317	Business and Technical Writing	3
SVT322	Preparing Effective Property Description	1
SVT329	Site Planning and Subdivision Design	1
SVT341	Advanced Surveying	3
SVT451	Survey Business Law	3
_____	<i>Population and the Environment Elective (see note(2))</i>	<u>3</u>
		17
<b><u>SEMESTER VI</u></b>		
ECO120	Principles of Microeconomics	3
_____	Or ECO121 Principles of Macroeconomics	
_____	Advanced Communication Elective♠	3
SVT352	Practical Field Operations	3
_____	<i>Cultural Diversity Elective(see note(2))</i>	3
_____	<i>Program Elective</i>	<u>3</u>
		15
<b><u>SEMESTER VII</u></b>		
EET484	Engineering Economics	3
SVT418	Fundamentals of Surveying Exam Overview	1
SVT437	Practical GPS	3
ECO254	Small Business Economics and Management	3
_____	Or SVT 475 Small Business Management (on-line spring)	
_____	<i>Program Elective</i>	3
_____	<i>Program Elective</i>	<u>3</u>
		16
<b><u>SEMESTER VIII</u></b>		
SIE509	Introduction to Geographic Information Systems	4
_____	or GIS 300 Geographic Information Systems I (Univ. of Maine Machias)	
SVT490	Surveying Capstone	3
_____	<i>Program Elective</i>	3
_____	<i>Program Elective</i>	3
_____	<i>Fundamentals of Surveying Exam (passing not required)</i>	<u>0</u>
		13

**TOTAL DEGREE HOURS REQUIRED FOR BACHELOR'S DEGREE 125**

- (1) Pre-Calculus and Calculus I/II are offered online through the University of Maine Augusta, the University of Southern Maine, and Southern Maine Community College or check transfer equivalency tool on Maine Street for other matches

Univ. Maine Augusta MAT124 = MAT 122 UMaine PreCalc (spring)  
 Univ. Maine Augusta MAT125 = MAT 126 UMaine Calc I (fall)  
 Univ. Maine Augusta MAT126 = MAT 127 UMaine Calc II (spring)

S. Maine C.C. MAT 190 = MAT 122 PreCalc (fall, spring)  
S. Maine C.C. MAT 260 = MAT 126 Calc I (fall, spring)  
S. Maine C.C. MAT 270 = MAT 127 Calc II (fall, spring)  
Univ. S. Maine MAT140 = MAT 122 PreCalc (winter)  
Univ. S. Maine MAT 152 = MAT 126 Calc I (fall, spring)  
Univ. S. Maine MAT 153 = MAT 127 Calc II (fall, spring)

\* Lists of approved courses that meet the Program Electives are available by emailing  
um.set@umaine.edu

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

♠ Communication classes such as any CMJ (or COM) class numbered higher than 103 may fulfill  
the Advanced Communication elective

(2) Courses meeting the various general education requirements are available at

<https://studentrecords.umaine.edu/resource/courses-meeting-gen-ed-2/>

(3) Use the transfer equivalency tool on Maine Street to see if a desired Physics class is accepted for  
transfer. Physics I must equal PHY 107, 111, or 121 and Physics II must equal PHY 108, 112, or  
122 at U Maine. For instance examples of asynchronous physics that is accepted are

Southern Maine c.c. <https://www.smccme.edu/>

SMCC PHYS150 (fall/spring) = U Maine PHY111

SMCC PHYS155 (fall/spring) = U Maine PHY112

Bristol, MA c.c. <http://www.bristolcc.edu/>

Bristol PHY 101 (fall) = U Maine PHY 107

Bristol PHY 102 (spring) = U Maine PHY 108

Middlesex, MA c.c. <https://www.middlesex.mass.edu/>

Middlesex PHY 151(spring) = U Maine PHY 111

Middlesex PHY 152 (fall) = U Maine PHY 112

(4) A Program elective can be a SVT graduate class or any ACC, AST, BUA, CHY, ECO, MEE,  
CIE, EET, CET, MET, FIN, SFR, ERS, MGT, MKT, NAV, MSL, or SIE course that is not  
substantially duplicative of a required course or below the required courses in number.