

Surveying Engineering Technology

Surveying Core Courses: (68 Credits)

SVT 100: Introduction to Surveying Technology¹ Credits:1

SVT 101: Basic Surveying Field and Office Processes Credits:3

SVT 110: Instrumentation and Data Collectors Credits:1

SVT 121: AutoCAD for Surveyors I Credits:3

SVT 122: AutoCAD for Surveyors II Credits:3

SVT 201: Adjustment Computations Credits:3

SVT 202: Route & Site Surveying Credits:3

SVT 221: Boundary Law Credits:3

SVT 322: Preparing Effective Property Descriptions Credits:3

SVT 331: Photogrammetry Credits:3

SVT 332: Engineering for Surveyors Credits:3

SVT 333 - Team Workflows in Surveying Practice Credits:1

SVT 341: Advanced Surveying Credits:3

SVT 352: Practical Field Operations Credits:3

SVT 418: Fundamentals of Surveying Exam Overview Credits:1

SVT 437: Practical GPS Credits:3

SVT 451: Survey Business Law Credits:3

SVT 475: Small Business Management or MGT elective Credits:3

SVT 490: Surveying Capstone Credits:3

GIS 300:Geographic Information System Credits:4

Technical Electives⁵ Credits:15

Other Required Courses: (57 credits)

Accounting Elective Credits: 3

(ACC 201 - Principles of Financial Accounting recommended)

CMJ 103: Public Speaking Credits:3

Communication Elective³ Credits:3

Computer Science Elective Credits: 1

(COS 103 - Introduction to Spreadsheets recommended)

Economics Elective Credits:3

(ECO 120 - Principles of Microeconomics ECO 121 - Principles of Macroeconomics recommended)

EET 484: Engineering Economics Credits:3

ENG 101: College Composition ¹ Credits:3

ENG 317: Business and Technical Writing Credits:3

English Elective Credits: 3

(ENG 201 - Strategies for Writing Across Contexts recommended)

MAT 122: Pre-Calculus Credits:4

MAT 126: Calculus I Credits:4

MAT 127: Calculus II Credits:4

PHY 107: Technical Physics I Credits:4

PHY 108: Technical Physics II Credits:4

STS Elective Credits:3

(STS 132 - Principles of Statistical Inference recommended)

Artistic and Creative Expression Elective¹ Credits:3

Cultural Diversity Elective¹ Credits: 3 **

Population and the Environment Elective¹ Credits: 3 **

Taking FS exam required

¹Waived if there is a previous degree ²Fulfills Western Cultural Tradition Elective ³Any CMJ class above CMJ 103 or equivalent ⁴SVT 101 contains four outdoor labs that require fieldwork. Students will find a local surveyor in their area who is willing to be their mentor. The labs are sent to the surveyor and the surveyor provides the equipment and a little help to perform the fieldwork.

Surveying Engineering Technology Technical Electives

*Any ACC, AST, BIO, BUA, CET, CHY, CIE, COS, EET, ERS, FIN, INV, MEE, MET, MGT, MKT, NAV, MSL, SFR, or SIE course that is not substantially duplicative of a required course or below the required courses in number.