

Catalog 2014-2015: Bachelor of Science in Surveying Engineering

Major: Surveying Engineering

Freshman Year

HED Common Core (25 credits)
With Recommendations

College Level English(4)
Engl 111G

Oral Communication(3)
Comm 265

College Level Composition(3)
Engl 218G

Social Behavioral (Econ 251 or 252 Recommended)(6)

Humanities And Fine Arts(6)

Social Behavior (3) or Hum / Fine Arts(3)

Program Requirements fulfilling HED Laboratory Science and Math Areas

Geol 111G(4)

Phys 215 & 215L(4)

Phys 216 & 216L(4) or Phys 217 & 217L(4)

Math 191 Calc I (4)

Math 192 Calc II (4)

Math 280 Linear Algebra (3)

Program Requirements

ENGR 100 (fa) Introduction to Engineering (3)

Drft 109 Computer Drafting(3)

SUR 264(sp) Introduction to LIS(3)

CS 187 (recommended) Computer Programming(3)

Sur 222 Plane Surveying(3)

SUR 292(fa) Public Land Survey(3)

Math 192

SUR 370(fa) Control Surveying(3)

SUR 285(sp) Intro Photogrammetry(3)

Sophomore Year

Junior Year

Senior Year

Viewing a Wider World Elective (3)

Viewing a Wider World Elective (3)

IE 451 Engineering Economy (3)

SUR 450 Senior Project (1)

BLAW 316 Legal Environment of Business (3)

Approved Surveying/Engineering Elective (3)

Math 192

SUR 351(sp) Intro Survey Measurements(3)

STAT 371 Statistics for Engineers and Scientists I(3)

Sur 222

SUR 412 (fa) Advanced Topics in Boundary Surveying(3)

SUR 312

Math/Science Elective (3)

Math/Science Elective (3)

SUR 401(sp) Ethics and Professionalism(3)

Math 191

Drft 153 Survey Drafting Applications(3)

STAT 371

SUR 351

ENGR 100 (fa) Introduction to Engineering (3)

Drft 109 Computer Drafting(3)

SUR 264(sp) Introduction to LIS(3)

CS 187 (recommended) Computer Programming(3)

Sur 222 Plane Surveying(3)

SUR 292(fa) Public Land Survey(3)

Math 192

SUR 370(fa) Control Surveying(3)

SUR 285(sp) Intro Photogrammetry(3)

SUR 361(fa) Intro to Geodesy(3)

Sur 222

Drft 109

SUR 451(fa) Advanced Survey Measurements(3)

Math 280/480

SUR 312(sp) Legal Principles(3)

SUR 330(fa) Computer Apps of Surveying(3)

SUR 452(fa) Land Development Design(3)

Sur 312

SUR 328(sp) Principles & Practices (3)

Math 191

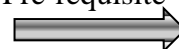
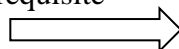
CS 167

SUR 461(sp) Intro to Satellite Geodesy(3)

Sur 361

Pre-requisite

Co / Pre-requisite



fa - fall only course
sp - spring only course