

Geomatics Engineering, B.S. (129 Units)

Valid for Catalog Years: 2012-2016

*Official planning guide approved by the Lyles College of Engineering

For assistance or to schedule an advising appointment, please contact the
Department of Civil & Geomatics Engineering at 559-278-4828, Engineering East 178A
Lyle College of Engineering Advising Center: 559-278-1076, Engineering East 383

| Units | Freshman | | Sophomore | | Junior | | Senior | |
|-------------------|--|--|---|---|---|--|--|--|
| | Fall | Spring | Fall | Spring | Fall | Spring | Fall | Spring |
| | 17 | 17-20 | 15 | 18-19 | 16-20 | 15-16 | 15 | 16 |
| General Education | A2 (3 Units) Written Communication *Must pass with a C or better; ENGL 10 recommended | A1 (3 Units) Oral Communication *Must pass with a C or better | | C1 (3-4 Units) Arts | | B2 (3-4 Units) Life Sciences | | |
| | D2 (3 Units) American Government | B3 (0-3 Units) Lab | | D1 (3 Units) American History | | | | |
| | | | | D3 (3 Units) Social Science | | | | |
| Major | GE Area B4 MATH 75 (4 Units) Quantitative Reasoning [Pre-Req: Elementary geometry, intermediate algebra, & trigonometry OR precalculus. Passing score on department's Calculus Readiness Test; ELM] | GE Area B1 CHEM 3A (4 Units) Physical Sciences [Pre-Req: GE B4 (may be taken concurrently)] *No credit for CHEM 3A after CHEM 1A | GME 23L (1 Unit) | GME 34 (3 Units) [Pre-Req: GME 15; MATH 76] | GE Area IB GME 151 (3 Units) Physical Universe & Its Life Forms [Pre-Req: GME 50 or instructor permission] | GME 102 (3 Units) [Pre-Req: GME 16, 34] | GE Area MI PLSI 120 (3 Units) Multicultural/International [Pre-Req: GE Foundation & Breadth Area D] | GE Area IC PHIL 120 (3 Units) Arts & Humanities [Pre-Req: GE Foundation & Breadth Area C] |
| | GME 1 (1 Unit) | GE Area C2 PHIL 1 or 10 (3 Units) Humanities *See course catalog for prerequisite requirements | GME 40 (3 Units) [Pre-Req: GME 15, 15L; or instructor permission] | GME 50 (3 Units) [Pre-Req: GME 15] | EES 1 (4 Units) [Pre-Req: MATH 4R or second-year high school algebra recommended] | GME 108 (3 Units) [Pre-Req: MATH 77; PHYS 4A, 4AL; GME 34 (may be taken concurrently)] | CE 150 (3 Units) [Pre-Req: GME 15; upper division standing] | CE 161 (2 Units) [Pre-Req: CE 130; instructor permission] |
| | GME 15 (2 Units) [Pre-Req: MATH 5] | GME 16 (2 Units) [Pre-Req: GME 15] | GME 61 (3 Units) [Pre-Req: GME 15 (may be taken concurrently)] | PHYS 4B (3 Units) [Pre-Req: PHYS 4A; MATH 77 (may be taken concurrently)] | GME 123 (3 Units) [Pre-Req: GME 15; 34 (may be taken concurrently)] | GME 126 (3 Units) [Pre-Req: GME 123; 173 (may be taken concurrently)] | GME 143 (3 Units) [Pre-Req: GME 102; 108; 135 (may be taken concurrently)] | GME 125 (3 Units) [Pre-Req: GME 123; 135] |

Geomatics Engineering, B.S. (129 Units)

Valid for Catalog Years: 2012-2016

*Official planning guide approved by the Lyles College of Engineering

For assistance or to schedule an advising appointment, please contact the
Department of Civil & Geomatics Engineering at 559-278-4828, Engineering East 178A
Lyle College of Engineering Advising Center: 559-278-1076, Engineering East 383

| | Freshman | | Sophomore | | Junior | | Senior | |
|------------------|--|--|---|--------------|---|--|--|---|
| | Fall | Spring | Fall | Spring | Fall | Spring | Fall | Spring |
| Units | 17 | 17-20 | 15 | 18-19 | 16-20 | 15-16 | 15 | 16 |
| Major | GME 15L (1 Unit) [Pre-Req: GME 15 (may be taken concurrently)] | GME 16L (1 Unit) [Pre-Req: GME 16 (may be taken concurrently)] | MATH 77 (4 Units) [Pre-Req: MATH 76] | | GME 135 (3 Units) [Pre-Req: GME 34; MATH 77] | GME 159 (3 Units) [Pre-Req: GME 40, 151] | GME 181 (3 Units) [Pre-Req: GME 108, 123, 135, 151, 173] | GME 180 (2 Units) [Pre-Req: May be taken concurrently: GME 181; UDWS] |
| | GME 66 (3 Units) | MATH 76 (4 Units) [Pre-Req: MATH 75 or MATH 75A & B] | PHYS 4A (3 Units) [Pre-Req: GE B4; MATH 76 (may be taken concurrently)] | | GME 173 (3 Units) [Pre-Req: GME 15, 66; or instructor permission] | | Technical Course (3 Units) *See footnotes | Technical Design Course (3 Units) *See footnotes |
| | | | PHYS 4AL (1 Unit) [Pre-Req: Corequisite: PHYS 4A] | | | | | Technical Design Course (3 Units) *See footnotes |
| Electives | | | | | UDWS (0-4 Units) *Upper Division Writing Exam OR "W" Course (must pass with a C or better) | | | |

FOOTNOTES:

Prerequisites/Corequisites: Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

Grade Requirements: Courses in engineering, mathematics, the physical sciences, and mandatory technical courses taken CR/NC are not counted toward fulfillment of degree requirements in Geomatics Engineering.

Technical/Design Courses (9 units): Select 9 units from GME 73, 114, 145, 152, 153, 161, 174, 175, 190, 191T; CSCI 115, 124, 150, 172; CM 180B (formerly 114), 122, 124; BA 154; GEOG 181; FIN 180, 181; MATH 101, 121; PHYS 110. At least 6 units must be selected from design courses: GME 145, 153, 161, 175.

Upper Division Writing Skills requirement (UDWS): All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W."