

CIVIL ENGINEERING, B.S. TO CIVIL ENGINEERING, M.S. ACCELERATED PROGRAM

The Accelerated B.S.-M.S. Program (ABM) in Civil Engineering enables high performing SLU students to earn both a bachelor’s and a master’s degree in a five-year period. This accelerated path provides the technical depth and specialization needed for expanded career opportunities.

For additional information, see the catalog entries for the following programs:

Civil Engineering, B.S. (<https://catalog.slu.edu/colleges-schools/science-engineering/civil/civil-engineering-bs/>)

Civil Engineering, M.S. (<https://catalog.slu.edu/colleges-schools/science-engineering/civil/civil-engineering-ms/>)

Requirements

Admission Requirements

To apply to the Accelerated BS-MS (ABM) in Civil Engineering (CVNG) program, undergraduate students in the CVNG department must have an overall cumulative GPA of 3.25 or higher after completing their fifth semester of study or 75 credit hours of coursework.

The application should be submitted in the spring semester of the third year. Students selecting the thesis or project option must obtain approval from their tentative research or project faculty advisor before applying.

Admission to the BS-MS program does not require completion of the bachelor’s degree; however, admission to the M.S. degree will require completion of the bachelor’s degree.

Program Requirements

If a student enrolled in ABM, earns a graduate coursework GPA of less than 3.0 during their final undergraduate year (Year 4), they will be placed on academic probation immediately upon full matriculation into the Master’s program after their B.S. graduation.

At the end of their final undergraduate year (Year 4), students' progress is evaluated by the CVNG Graduate Coordinator. Upon successful completion of the fourth-year review and the B.S. degree, students will automatically be transitioned to graduate student status.

15 credit hours of courses taken at the undergraduate level will count toward the master’s degree. Courses and requirements included are below.

Undergraduate Program Requirement	Met by Graduate Course
9 credits of Civil Engineering electives	9 credits of Civil Engineering Graduate Electives
3 credits Civil Engineering elective	Foundational Course
3 credits of Professional Development electives	Foundational Course

Roadmap

This roadmap is just one example of a semester-by-semester plan of study for this program. There are other plans students can and do take. The plan of study for each particular student is established in consultation with each student’s academic advisor; *this roadmap does not replace academic advising appointments.*

Roadmap notes:

- This Roadmap assumes full-time enrollment unless otherwise noted.
- Courses/Milestones marked with an “!” are critical and must be completed in the semester listed in the Roadmap to ensure a timely graduation.
- Course availability and sequencing are subject to change.

Course	Title	Credits
Year Four		
Fall		
CVNG 4500	Capstone Design I	3
CORE 1700	Ultimate Questions: Philosophy	3
CORE 4500	Reflection-in-Action	0
Foundational Course		3
CVNG Graduate Electives		6
Credits		15
Spring		
CVNG 4510	Capstone Design II	3
CORE 3600	Ways of Thinking: Social and Behavioral Sciences	3
Professional Development Elective		3
CORE	Equity and Global Identities: Global Interdependence	0-3
Foundational Course		3
CVNG Graduate Elective		3
Credits		15-18
Year Five		
Fall		
CVNG 5010	Scholarly Practices in Engineering	3
CVNG Graduate Elective		3
CVNG 5990	Thesis Research (or CVNG Graduate Elective)	3
Credits		9
Spring		
MENG 5840	Numerical Methods	3
CVNG 5990	Thesis Research (or CVNG Graduate or CVNG 5960 Elective)	3
or Masters Project		
Credits		6
Total Credits		45-48

Contact Us

For more information about this and other civil engineering programs, please email civil.engineering@slu.edu.