

### BE/MS Accelerated Program

The Department of Civil Engineering offers an “Accelerated Bachelor of Engineering/Master of Science Program” to qualified Stony Brook undergraduate CIV students. Admitted students are allowed to take a specified number of graduate courses that will be counted towards both their undergraduate and graduate degree requirements; subsequently reducing the total time needed to obtain the M.S. degree.

The major benefit of the program is that it allows students to apply graduate courses taken during their undergraduate years towards both undergraduate and graduate degrees. As a result, students can complete both degrees in five years (i.e., just one extra year/two semesters). Generally, three or four semesters are needed to obtain an M.S. degree in the graduate program.

### About the Program

The Accelerated BE/MS program is designed to allow civil engineering students with good academic standing to graduate with both a Bachelor's degree and a Master's degree in five years. This is enabled by allowing undergraduate students in the program to take multiple graduate courses as their undergraduate technical electives. These graduate courses will also be counted towards their Master's degree. According to the Graduate School policy, up to two courses taken as an undergraduate student may be counted for both degrees.

The tables below show a typical course sequences for the last two years of study. Note that the M.S. degree requirement described in MS Degree Requirements must be satisfied.

Fall, Senior Year (undergraduate)	Credit hours	Spring, Senior Year (undergraduate)	Credit hours
CIV 342	1	CIV 441	3
CIV 410	3	SBC Course	3
CIV 420	3	SBC Course	3
CIV 440	3	Specialization Course	3
Specialization Course – CIV 4XX	3	Specialization Course – CIV 4XX	3
Specialization Course – CIV 5XX	3	Specialization Course – CIV 5XX	3
Total =	16	Total =	15

Fall, 5 <sup>th</sup> Year (graduate)	Credit hours	Spring, 5 <sup>th</sup> Year (graduate)	Credit hours
CIV 691	1	CIV 596	3
CIV 596	3	CIV 5XX	3
CIV 5XX	3	CIV 5XX	3
CIV 5XX	3	CIV 5XX	3
CIV 5XX	3		
Total =	13	Total =	12

## **Requirement for admission**

You need to be a Civil Engineering student with a cumulative GPA of 3.25 or above at the time of application to enroll. The Graduate School also requires minimum cumulative GPA of 3.0 at the end of senior year to matriculate into the graduate program (i.e., you will be dismissed from the program if you fail to meet this condition).

Admission into the program is competitive and needs to be approved by the Civil Engineering Graduate Admissions Committee. The B.E. /M.S. is a sequential degree program, therefore the student remains an undergraduate student until the bachelor's degree requirements are completed.

- As an undergraduate, the student must receive permission from the Graduate School in order to take graduate courses that will count towards both B.E. and M.S. degrees.
- Before completing undergraduate requirements, they need to apply for admission to the Graduate School.

Students that don't follow these two steps above will be terminated from the Accelerated program; if they want to enter the M.S. program, they will need to apply for admission to the M.S. program.

## **Application:**

Students are encouraged to apply to this five-year program at the end of their junior year, though applications may be submitted up to one full semester before graduation, subject to the requirements below.

- Application forms should be accompanied by a resume, a statement of purpose, arrange for two to three recommendation letters and an adviser-approved SUNY Program Schedule. At least one recommendation letter must be from a current CIV department faculty member
- Applications are reviewed, and must be approved, by the Civil Engineering Graduate Admissions Committee. To be considered, applicants must have completed at least three upper-division Civil Engineering courses at Stony Brook and have an overall Grade Point Average of 3.25 or higher. Applicants interested in a graduate degree that do not meet these criteria are encouraged to apply directly to the M.S. program

You must see our Graduate Program Coordinator to inform your intention to enroll and submit a one-page admission form "Application Form to Graduate School for the Accelerated Bachelor's/Master's Degree".

Before the end of final semester as undergraduate student, you must see the Graduate Program Coordinator to prepare documents to matriculate into the Graduate School. If we do not hear from you, we assume you are no longer continuing the accelerated BE/MS program as a graduate student.

## **Registering for graduate courses:**

During each semester of your senior years you must fill out "Permission for Undergraduate Students in the Accelerated Degree Program" form in order to register for graduate courses. This form must be signed by the Graduate Program Director. , unless you are enrolled in the program, a graduate course taken while an undergraduate student will not be counted toward the M.S. degree even if you are later admitted into the program.

### **Getting BE degree:**

You will get BE degree when you have fulfilled the requirements regardless of whether you are still in the Accelerated Program or not.

### **Graduate Orientation:**

You are required to attend Graduate Orientation (generally given just before the start of semester) once you become a graduate student at the fifth year.

### **FAQs**

Can I continue the graduate portion of the program as a part-time student after completing the B.E. degree?

Yes. In this case, you will not be able to finish both degrees in five years. However, you will still be allowed to remain in the program to complete the M.S. degree requirements.

What about campus housing?

If you are living on campus, you are expected to move from Undergraduate to Graduate Housing once you begin your Graduate Career during the fifth year. However, a grace period of six months may be granted.

What about financial support?

In general, you are expected to be self-funded and would not normally be considered candidates for a Tuition Scholarship. You will not be considered for TA positions since TA positions are generally only offered to graduate students in the Ph.D. program according to the Graduate School Policy. RA positions may be offered, but only in special cases due to the shortened length of the program. However, the SPIR Program may offer opportunities to work part-time at local companies with stipend and tuition waiver. Please contact Prof. Anurag Purwar for more information.

Whom should I contact for more information?

You may contact the Graduate Program Director for program related information or the Graduate Program Coordinator, for administrative questions.