

College of Engineering & Applied Science

Master of Science Degree in Computer Science

~ Accelerated BS/MS Program of Study ~

Guidelines in Developing the Program of Study

Students in the Accelerated BS/MS Program, in consultation with your faculty advisor, must develop a proposed Program of Study (POS) prior to the start of graduate courses. Six credits of the program are completed as part of the Bachelor's degree. The POS must be approved by the advisor and the Graduate Program Representative for the Computer Science MS Program and must meet the distribution requirements listed below. For subsequent changes, the student must file a revised POS for approval. If a course has U/G status, the student must follow the syllabus and grading scale designated for graduate students to have it count toward the MS degree. A U/G course will not be counted toward the graduate degree unless it was approved as part of the MS Program of Study prior to the start of the course.

MINIMUM CREDIT REQUIREMENTS

| Program Option | Overall Credit Requirement | Credit Distribution for Program |
|-------------------|---|---|
| Thesis | 6 course credits completed as part of BS 18 course credits completed after admission to graduate status 6 Thesis credits <p style="text-align: right;">Total 30 credits</p> | Minimum 18 course credits at or above 700 level (including CS 704 and 3 credits of CS 700). |
| Non-Thesis | 6 course credits completed as a part of BS 22 course credits completed after admission to graduate status 3 Capstone Project credits <p style="text-align: right;">Total 31 credits</p> | Minimum 19 course credits at or above 700 level (including CS 704 and 1 credit of CS 700). |

The following is a common requirement for both options: The students must have taken six Computer Science courses (specified below) or their equivalent prior to completion of the MS Program. The six courses are:

- CS 315 Computer Organization and Assembly Language Programming
- CS 317 Discrete Information Structures
- CS 351 Data Structures and Algorithms
- CS 458 Computer Architecture
- CS 535 Data Structure and Algorithms
- CS 537 Operating Systems

At most six credits of the above courses with U/G credit may be used to satisfy the courses requirements of the two options.

In the thesis option, the student must register for thesis credits (CS 990) in at least two semesters.

Master of Science Degree in Computer Science ~ Accelerated BS/MS Program of Study ~

(Please Print Clearly)

NAME: _____ STUDENT ID #: _____ DATE: _____

ADDRESS: _____ PHONE: _____

E-MAIL: _____ AREA OF STUDY: _____ ADVISOR: _____

| Accelerated BS/MS Program | Course Number | Course Title | Credits | Semester | BS/MS Credits |
|--|---------------|--------------|---------|----------|---------------|
| Maximum 6 credits as part of BS/MS program | | | | | |
| | | | | | |

| Thesis Option – 30 cr. Non-Thesis Option – 31 cr. | Course Number | Course Title | Credits | Semester | MS Credits |
|---|---------------|---------------------------|---------|----------|------------|
| Thesis Option: 18 credits minimum. <b style="font-size: 1.2em;">OR Non-Thesis option: 22 credits minimum. | | | | | |
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| Thesis & Non-Thesis | CS 704 | Analysis of Algorithms | 3 | | |
| CS 995 – 3 cr. (Non-thesis) <b style="font-size: 1.2em;">OR CS 990 - 6 cr. (Thesis) | CS 995 | Master's Capstone Project | 3 | | |
| | CS 990 | Master's Thesis | | | |
| 1 or 3 cr. (1 cr. for Non-Thesis OR 3 cr. for Thesis option) | CS 700 | CEAS Graduate Seminar | 1 or 3 | | |

STUDENT: _____

DATE: _____

ADVISOR: _____

DATE: _____

CSGPR: _____

DATE: _____

CS-GRADUATE PROGRAM REPRESENTATIVE

University of Wisconsin – Milwaukee
College of Engineering & Applied Science
ACCELERATED BACHELOR OF SCIENCE - MASTER OF SCIENCE PROGRAM
Computer Science

Program Description

To encourage outstanding undergraduate computer science students to continue their studies toward an advanced degree, the College of Engineering & Applied Science allows qualified students to begin their master's degree course work in their senior year. Students admitted to the Accelerated Program take six graduate credits as part of the BS degree requirements. Once admitted to the Graduate School, students in the Accelerated Program are required to complete an additional 24 credits (Thesis Option) or 25 credits (Non-Thesis Option) to earn a Master of Science in Engineering or Master of Science in Computer Science.

The Accelerated Program offers three advantages over the standard MS Program:

1. **Less time** - total credits are reduced by six credits.
2. **Less cost** – pay undergraduate tuition instead of graduate tuition for the first six credits.
3. **No GRE** – students admitted to the Accelerated Program are not required to take the GRE exam for admission to the Graduate School.

Admission Requirements

- Currently enrolled in the undergraduate computer science program
- 3.2 cumulative GPA or higher
- 36 credits or less remaining for BS degree

Application Process

1. Meet with a faculty advisor in your department to develop an Accelerated BS/MS Program of Study. Ideally students should meet with a faculty advisor in the 2nd semester of their Junior year and start graduate courses in their Senior year. You must be admitted to the Accelerated BS/MS Program prior to the start of your final undergraduate semester.
2. Submit the proposed Accelerated BS/MS Program of Study to the Graduate Program Office in room EMS E379.
3. If your Program of Study is approved by the CSGPR, register for two graduate-level courses (six credits) in your senior year. If a course has U/G status, you must follow the syllabus and grading scale designated for graduate students.
4. At the beginning of your last undergraduate semester, you need to formally apply to the Graduate School online at graduateschool-apply.uwm.edu/. Submit a copy of your approved Accelerated BS/MS Program of Study to the Graduate School with your application.

Once admitted to the Accelerated BS/MS, you are required to meet the academic standards of the Graduate School. For details on Graduate School policies and procedures go to the Graduate School website: uwm.edu/graduateschool/academic-policies-procedures/.

UWM College of Engineering & Applied Science
Computer Science
Graduate Programs Office
Location: EMS E379 Email: ceas-graduate@uwm.edu