

Dear Prospective MS in Applied Computer Science Applicant:

Acceptance in good standing to the MS Applied Computer Science degree program requires that you have either a bachelor's degree in computer science/information science or possess specific required pre-requisite coursework. Provisional acceptance may be considered for students who possess a bachelor's degree and specialized computer science background courses as specified below.

You may be required to take one or more of the following UNDERGRADUATE\*\*/GRADUATE\* courses, depending on your previous experience and undergraduate preparation as indicated on an official college/university transcript:

Computer Science I (CS 1 COSC 240\*\*) – An introduction to problem solving and algorithm development using a high level programming language, currently JAVA.

Computer Science II (CS 2 COCS 241\*\*) – The design and implementation of data structures; the 2<sup>nd</sup> programming course, taken after CS 1.

You may also complete COSC 600\*: Computer Programming Concepts in place of COSC 240\*\* and 241\*\*.

Digital Logic and Computer Design (COSC 365\*\*/601\*) – Design and analysis of combinational logic circuits and synchronous sequential systems.

Operating Systems Concepts (COSC 460\*\*) – A detailed study of operating systems.

It is important to note that these courses must be taken in a sequence, depending on your skills and current knowledge in the discipline. The sequence is as follows:

1. You must be proficient in JAVA programming to succeed in our graduate program. If you have never programmed, you will be asked to take our COSC 240\*\* and 241\*\* or COSC 600\* first. Alternately, you could take course equivalents at another college/university elsewhere and demonstrate JAVA proficiency by passing our CS 240/241-exit test.
2. COSC 365\*\* requires JAVA proficiency and cannot be taken until item 1 is satisfied.
3. COSC 460\*\* requires JAVA proficiency and cannot be taken until item 2 is satisfied.

Students with international student status are required to enroll as full time students, or 9 credit hours (or 3, three credit hour courses). This may mean that you will have to take some related course work that may not directly apply to the MS Applied Computer Science pre-requisites in order to maintain full time international student status. The international student application deadline for Fall semester is June 1, however those seeking Graduate Assistantships (GAs) or International Fellowships (IFs) should be accepted by March 15.

Students seeking a Graduate Assistantship (GA) must be accepted in good academic standing and be able to enroll in 9 credit hours of graduate level study in the MS Applied Computer Science program in order to be considered as an eligible applicant. Please be aware that GAs in the Computer Science Department are highly competitive and due to the nature of the duties and responsibilities rarely are new students considered prior to the first semester of enrollment. Graduate Assistantship/International Fellowship applications, positions descriptions, and position vacancies are available at [www.frostburg.edu/grad/forms.htm](http://www.frostburg.edu/grad/forms.htm).

This program admits students on a rolling admission basis, however, students who wish to be considered for GAs or IFs for the Fall/Spring academic year should apply and be accepted by March 15. Spring semester applicants should apply and be accepted by October 15.

Sincerely,  
The Office of Graduate Services