

Department of Medical Informatics and Clinical Epidemiology

Computer Science Policy

A prerequisite for admission to the PhD or Master's program is a passing grade (C or better) in a graded, college-level Computer Programming course taught in PERL, C, C++ or Java. Students will be assumed to understand the concept of datatypes and to be comfortable using variables, constants, strings, simple expressions, conditional statements, loops, simple input and output. Students should also have at least some experience with successfully using arrays and functions. It is up to the student to provide evidence of having met this requirement. Evidence should include a transcript and a course description or copy of the course syllabus. If a syllabus is not available, a detailed written description of the course content and homework assignments is required unless the course is:

<u>Course</u>	<u>Institution</u>
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Introduction to Programming	OHSU (online)
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This non-credit, online course is offered on an on-going basis and will introduce the beginning programmer to programming structure and design, creating a solid foundation for all types of programming. The emphasis will be on procedural programming and control structures, although exercises will be in Java. The course is self-paced: you may register and begin at any time, then proceed at any pace. You must complete the lessons in order prior to registering for BMI 540 - Introduction to Computer Science with Java Programming. The course fulfills the pre-requisite for BMI 540. The fee for the course is \$500.

CS 161	Portland State University (PSU)
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CS 151 or 161	Oregon State University (OSU)
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Students who believe they have adequate programming experience from taking non-graded courses (such as continuing education courses), courses taught in another programming language, courses that were not primarily programming classes, or from self-teaching or on-the-job training may be admitted into the program, but it is **up to the student** to provide convincing evidence of having met the prerequisite. Evidence may include copies of the syllabus for any courses taken (or detailed written descriptions), or detailed written descriptions of computer programs they have written.

Satisfactory completion of the CS sequence (BMI 540 and BMI 544 along with 3.0 credits of individual competency) is required for graduation, unless students have received a waiver from this requirement. Satisfactory completion entails a minimum grade of C in each of the courses. Students who do not complete the sequence with satisfactory grades will be required to repeat one or more courses in order to achieve a satisfactory level of mastery.

Students who wish to receive a waiver from part or all of the required computer science sequence must submit a written request detailing their previous educational and/or occupational experience that would justify the waiver. Generally an undergraduate or graduate degree in computer science will suffice; lesser degrees of formal computer science education will be handled on a case-by-case basis. Waiver of the entire sequence will require formal education or equivalent experience that includes programming, networking, and databases.