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Notes for Advising Freshmen in Computer Science

This note is designed to serve as an aid in advising incoming freshmen in registering for their first few quarters at Ohio University. It is not intended to take precedence over the undergraduate catalog, but merely to provide helpful guidance in cases where course sequences and prerequisites are not easily documented in the catalog.

The suggested sequence of freshman courses for Computer Science majors, as listed in the catalog, is:

Fall	MATH 263A	Calculus I	4
		Laboratory Science	5
		Freshman Composition	5
		Language	4
Winter	CS 240A MATH 263B EE 102	Intro. to Computer Science	5
		Calculus II	4
		Introduction to Computer Engr.	4
		Language	4
Spring	CS 240B MATH 263C CS 265	Intro. to Computer Science	5
		Calculus III	4
		Computer Ethics	1
		Science/Humanities	3-5
		Language	4

This sequence should be followed whenever possible. The issues to keep in mind and their effects on scheduling are as follows:

Math

We recommend that freshmen take the first calculus class (MATH 263A) in the fall, but some of our students may need to first complete remedial work in MATH 115 (or below). Make sure that the student starts Calculus during the first available quarter or it will delay his/her entrance into the CS courses. A student can now take CS 240A with a prerequisite of **MATH 115** rather than **MATH 263A**, but they will need MATH 263A before they can take CS 240B (recommended in the spring).

This document is advisory and not an official statement of the requirements for a degree. Please see the undergraduate catalog for your official degree requirements.

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CS 240A or CS 210??

Many freshmen will start CS240A in the winter. For students who have **not** had prior experience in structured programming languages (by having taken a reasonable Java, Pascal or "C" class in High School, for example), we recommend that they register for CS210 in the fall quarter to prepare them for CS240A in the winter. Students with adequate High School class work or experience in programming do not need to take CS210 before they take CS240A. However, they will need permission to enroll in the course. This can be obtained by contacting Sandi Mathews (3-4672) in Stocker 359. **Please note that CS 210 is not a required course in the major.**

Science

CS majors have the option of taking any one of the following three science sequences:

- PHYS 251,252,253¹
- CHEM 151,152,153
- CHEM 151,152,123

Students should begin one of these sequences their freshman year, as early as possibly, keeping in mind:

- CHEM 151 has a prerequisite of Math 113 (which most freshmen should test out of), allowing most students to start the chemistry sequence in the fall.
- PHYS 251 has a prerequisite of Math 263A, which most of our incoming freshmen will not have had yet, so if a student is interested in Physics, he/she should substitute a Humanities or Social Science class in the fall.

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