

COMPUTER SCIENCE

Course Cycle for Computer Science Program Courses

Most Computer Science program courses are offered either every year (shown in normal font below) or in alternate years (shown in italics below). Underlined courses are required for Honours specialization, Specialization, and Major in Computer Science; double underlined courses are required for Honours specialization.

“Even Years” (2012-13, 2014-15, etc)		“Odd Years” (2011-12, 2013-14, etc)	
Course	Term	Course	Term
COSC1666-Engeneering Graphics	FA	COSC1666-Engeneering Graphics	FA
<u>COSC1557-Introduction to Computing</u>	FA	<u>COSC1557-Introduction to Computing</u>	FA
<u>COSC1567-Programming in C++</u>	WI	<u>COSC1567-Programming in C++</u>	WI
<u>COSC1757-Digital Systems</u>	WI	<u>COSC1757-Digital Systems</u>	WI
<u>COSC2006-Data Structures I</u>	FA	<u>COSC2006-Data Structures I</u>	FA
<u>COSC2106-Machine Structures I</u>	FA	<u>COSC2106-Machine Structures I</u>	FA
COSC2406-Intr. Game Design & Devel.	FA	COSC2406-Int. Game Design & Devel.	FA
<u>COSC2667-Operating Systems I</u>	WI	<u>COSC2667-Operating Systems I</u>	WI
<u>COSC2767-Object-Oriented Programming</u>	WI	<u>COSC2767-Object-Oriented Programming</u>	WI
<u>COSC3606-Databases & Data Mgt</u>	FA	<u>COSC3606-Databases & Data Mgt</u>	FA
<u>COSC3657-Distributed Systems</u>	FW	<u>COSC3657-Distributed Systems</u>	FW
COSC3997-Senior Practicum*	FA	COSC3997-Senior Practicum*	FA
<u>COSC4206-Topics in Comp Science</u>	WI	<u>COSC4206-Topics in Comp Science</u>	WI
<u>COSC4207-Seminars in Comp Science</u>	FA	<u>COSC4207-Seminars in Comp Science</u>	FA
<u>COSC4406-Software Engineering</u>	FW	<u>COSC4406-Software Engineering</u>	FW
COSC4896-Honours Research I*	FW	COSC4896-Honours Research I*	FW
COSC4897-Honours Research II*	FW	COSC4897-Honours Research II*	FW
COSC4997-Honours Practicum*		COSC4997-Honours Practicum*	
<i>COSC2007-Data Structures II</i>	WI	<i>COSC2107-Machine Structures II</i>	WI
<i>COSC2116-ANN</i>	FA	<i>COSC3406-Adv. Game Des& Dev.</i>	WI
<i>COSC3006-Num Methods I</i>	FA	<i>COSC2206-Math Computation</i>	FA
<u><i>COSC3306-Proqamming Paradigms^C</i></u>	WI	<i>COSC3007-AI</i>	FA
<u><i>COSC3307-3D Computer Graphics^P</i></u>	WI	<i>COSC3017-Introduction to Robotics</i>	FA
<u><i>COSC3407-System Control^P</i></u>	FA	<i>COSC3206-Theory of Comp</i>	WI
<i>COSC4107-Interfacing & Communication</i>	WI	<i>COSC3207-Computer Graphics</i>	WI
<i>COSC4127-Real-Time Programming</i>	FA	<i>COSC3406-Advancde Game Design&Devel.</i>	FA
<i>COSC4607-Computer Security and Protection</i>	WI	<i>COSC3706-Computing Profession</i>	WI
<i>COSC4106-Human Computer Interaction</i>	WI	<i>COSC3807-Project Management</i>	WI

- * Individualized Studies course (requires departmental approval in advance)
- ^C COSC required course available only in alternate years
- ^P Prerequisite course required from previous year’s cycle

MATHEMATICS

Course Cycle for MATH, COSC, PHYS courses, required for degrees in Mathematics

Most Mathematics program courses are offered either every year (shown in normal font below) or in alternate years (shown in italics below).

"Even Years" (2012-13, 2014-15, etc)			"Odd Years" (2013-2014, 2015-16, etc)		
Course	Ter	Grp	Course	Ter	Grp
MATH1036-Calculus I	FA	Core	MATH1036-Calculus I	FA	Core
MATH1037-Calculus II	WI	Core	MATH1037-Calculus II	WI	Core
MATH1046-Intro Lin Algebra	WI	Core	MATH1046-Intro Lin Algebra	WI	Core
MATH1056-Discrete Math I	FA	Core	MATH1056-Discrete Math I	FA	Core
MATH2036-Adv Calculus I	FA	Core	MATH2036-Adv Calculus I	FA	Core
MATH2037-Adv Calculus II	WI	Core	MATH2037-Adv Calculus II	WI	Core
MATH2046-Adv Lin Algebra	WI	Core	MATH2046-Adv Lin Algebra	WI	Core
MATH2056-Discrete Math II	FA	Core	MATH2056-Discrete Math II	FA	Core
MATH2076-Prob & Stats I	WI	Core	MATH2076-Prob & Stats I	WI	Core
MATH2386-Problem Solving	WI	III	MATH2386-Problem Solving	WI	III
MATH3136-Real Analysis I	FA	I	MATH3136-Real Analysis I	FA	I
MATH3137-Real Analysis II	WI	I	MATH3137-Real Analysis II	WI	I
MATH4496-Research Project I*	FW	IV	MATH4496-Research Project I*	FW	IV
MATH4497-Research Project II*	FW	IV	MATH4497-Research Project II*	FW	IV
<i>MATH2116-Geometry</i>	WI	I	<i>MATH2306-History of Math</i>	WI	III
<i>MATH2216-Int. Comp. Geom.</i>	FA	II	<i>MATH3126-Number Theory</i>	WI	I
<i>MATH3146-Complex Analysis I</i>	FA	I	<i>MATH3127-Combin & Graph Th</i>	FA	I
<i>MATH3156-Algebra I</i>	WI	I	<i>MATH3157-Algebra II^P</i>	FA	I
<i>MATH3166-Topology</i>	FA	I	<i>MATH3216 Adv. Comp. Geom.</i>	WI	II
<i>MATH3267-Diff Equations II^P</i>	WI	II	<i>MATH3266-Diff Equations I</i>	WI	II
<i>MATH3276-Prob & Stats II</i>	FA	II	<i>MATH3286-Math of Finance</i>	FA	II
<i>MATH3296-Math Modeling</i>	FA	II	<i>MATH3397-Selected Topics II</i>	WI	III
<i>MATH3396-Selected Topics I</i>	WI	III	<i>MATH4036/5036-Meas.Theory^G</i>	FA	IV
<i>MATH4086/5086 - Func. Analysis^G</i>	WI	IV	<i>COSC2206-Math Computation</i>	FA	II
<i>COSC3006-Num Methods I</i>	FA	II			
PHYS1006- General Physics I	FA	V	PHYS1006- General Physics I	FA	V
PHYS1007- General Physics II	WI	V	PHYS1007- General Physics II	WI	V
<i>PHYS 2006 General Physics III</i>	WI	V	<i>PHYS 2007 General Physics IV^P</i>	FA	V

* Individualized Studies course (requires departmental approval in advance)

^P Prerequisite course required from previous year's cycle

^G Subject to enrollment in the graduate program