

COMPUTER SCIENCE

Course Cycle for COSC 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” (2024-25, 2026-27, etc)		“Odd Years” (2025-26, 2027-28, etc)	
Course	Term	Course	Term
<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>COSC2667-Operating Systems I</u>	WI	<u>COSC2667-Operating Systems I</u>	WI
<u>COSC2767-Object-Oriented Programming</u>	FA	<u>COSC2767-Object-Oriented Programming</u>	FA
COSC3997-Senior Practicum*	FW	COSC3997-Senior Practicum*	FA
<u>COSC4206-Topics in Comp Science</u>	FA	<u>COSC4206-Topics in Comp Science</u>	FA
<u>COSC4207-Seminars in Comp Science</u>	WI	<u>COSC4207-Seminars in Comp Science</u>	WI
COSC4896-Honours Research I*	FA	COSC4896-Honours Research I*	FW
COSC4897-Honours Research II*	FW	COSC4897-Honours Research II*	FW
COSC4997-Honours Practicum*	FW	COSC4997-Honours Practicum*	FW
<i>COSC2007-Data Structures II</i>	WI	<i>COSC1666-Engineering Graphics</i>	FA
<i>COSC2106-Machine Structures I</i>	FA	<i>COSC2107-Machine Structures II</i>	WI
<i>COSC2406-Intr. Game Design & Devel.</i>	FA	<i>COSC3406-Adv. Game Des& Dev.</i>	WI
<i>COSC2116-ANN</i>	FA	<i>COSC3007-AI</i>	FA
<i>COSC3306-Programming Paradigms^C</i>	WI	<i>COSC3017-Introduction to Robotics</i>	FA
<i>COSC3207-Computer Graphics</i>	WI	<i>COSC3307-3D Computer Graphics^P</i>	WI
<i>COSC3106-Human Computer Interaction</i>	WI	<i>COSC3606-Databases & Data Mgt</i>	WI
<i>COSC3657-Distributed Systems</i>	WI	<i>COSC4406-Software Engineering</i>	FA

* 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 and PHYSICS

Course Cycle for MATH and PHYS courses

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

"Even Years" (2024-25, 2026-27, etc)			"Odd Years" (2025-2026, 2027-28, 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
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>MATH3127-Combin & Graph Th</i>	FA	I
<i>MATH2306-History of Math</i>	WI	III	MATH3137-Real Analysis II	WI	I
<i>MATH3126-Number Theory</i>	WI	I	<i>MATH3157-Algebra: Ring Theory^P</i>	FA	I
<i>MATH3146-Complex Analysis I</i>	FA	I	<i>MATH3166-Topology</i>	FA	I
<i>MATH3156-Algebra: Group Theory</i>	WI	I	<i>MATH3266-Diff Equations I</i>	WI	II
<i>MATH3267-Diff Equations II^P</i>	WI	II	<i>MATH3286-Math of Finance</i>	FA	II
<i>MATH3276-Prob & Stats II</i>	FA	II	<i>MATH3397-Selected Topics II</i>	WI	III
<i>MATH3296-Math Modeling</i>	FA	II	<i>MATH4036/5036-Meas.Theory^G</i>	FA	IV
<i>MATH3396-Selected Topics I</i>	WI	III	<i>MATH4246/5256-Optimization</i>	WI	IV
<i>MATH4086/5086 - Func. Analysis^G</i>	WI	IV			
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 II</i>	<i>WI</i>	<i>V</i>	<i>PHYS 2007-General Physics IV^P</i>	<i>FA</i>	<i>V</i>
<i>PHYS 3007-Computational Physics</i>	<i>WI</i>	<i>V</i>	<i>PHYS 2016: Biophotonics</i>	<i>FA</i>	<i>V</i>
<i>PHYS 3016-Sensors</i>	<i>FA</i>	<i>V</i>	<i>PHYS 3006-Intr. to Quantum Phys</i>	<i>WI</i>	<i>V</i>

* 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