



Computer Science

Experiential Education Opportunities



Experience education through hands-on learning. Courses in the Computer Science program at UVic provide a diverse range of learning experiences: labs, design projects, and programming practice, for example. The courses listed below highlight experiential education opportunities that provide **exceptional or intensive opportunities for hands-on engagement with our curriculum.**

NOTE: Courses listed below may not always be offered as described; see departmental website for current course offerings. Courses may have prerequisites or registration restrictions, as indicated in the Academic Calendar. Consult the Academic Calendar, program planning worksheets, and/or Academic and Departmental Advisers to determine how courses fulfill degree requirements.

Type	Experience	Description		
Co-op	Co-op work terms	Alternate academic study with paid work terms to gain workplace experience		
	Course Based	CSC 106	Gain experience with game development	
		CSC 305	Complete hands-on graphics related projects	
		CSC 355	Use ASIC and field programmable devices and learn digital logic design	
		CSC 360	Gain technical skills related to operating systems	
		CSC 361	Gain technical network programming skills	
		CSC 375	Develop system analysis skills	
		CSC 446	Experience system simulations	
		CSC 463, 466, 467	Use advanced techniques and tools to analyze computer networks	
		CSC 471, 472, 473	Use advanced techniques for 2D and 3D computer graphics and image processing	
		CSC 475	Use advanced techniques and tools to analyze audio and music	
		Creative/Physical Practice	CSC 225	Apply concepts and programming skills to fundamental problems
			CSC 226	Apply advanced concepts and programming skills to fundamental problems
CSC 230	Demonstrate a software project on a specified hardware			
Creative/Design Project	CSC 460	Design, implement, and test a real-time executive and application software		
	Lab	CSC 100	Learn webpage development and use of multimedia tools	
CSC 105		Gain experience with office suite		
CSC 110		Explore design of programs using hands-on tools		
CSC 111		Explore and experiment with alternative solutions through real-world engineering		
CSC 130		Create web applications and gain technical skills of multimedia programming		
CSC 167		Explore game development		
CSC 205		Gain experience with graphics software		
CSC 361		Learn network debugging and protocol testing		
Research Project		CSC 499	Prepare a written report and present a seminar describing your work	
Work Experience		Work experience work terms	Participate in a modified co-op program requiring one or two work experiences	