

## Technology Delivered Degrees/Utah State University

### BS completion, Computer Science

Department Advisor: 435.797.2471 Don Cooley cooley@don.cs.usu.edu  
 General Information: 435.797.2451 Computer Science Department

*Program Description:* This program offers a breadth of coursework in computer science. There are two options for specialization: science option for students planning to pursue scientific or technical careers, research, or graduate education; and information systems for students interested in a career information science and systems. Its additional coursework in business, accounting, and economics prepares students for careers as systems analysts, managers, and computing environment supervisors.

*Admission Requirements:* Either an associate's degree in an appropriate discipline or completion of all general education requirements, and completion of the College of Science Core requirements. Students will need to complete prespecialization computer science, mathematics, and statistics coursework at another school. Students must have access to a personal e-mail account, and a computer system (a 200 MHz+ computer system with C++ and JAVA compilers is adequate to meet the needs of the program). Transfer credit or previous coursework must be evaluated before admission is approved. Students wishing to transfer less than 30 credits must submit high school transcripts, ACT/SAT scores, and an admissions application

*Graduation Requirements:* A minimum of 120 semester credits with a minimum cumulative GPA of 2.5 or better; a C- or better for any course required for computer science majors (both computer science and non-computer science courses). Fulfill USU general education requirements.

*Real Time Requirements:* This program involves internship or practicum activities; see the advisor for details. USU's EDNET and satellite classes require students to attend class at a designated time in one of the university's 80 education centers across the state (see <http://extension.usu.edu/conted/campuses/index.htm> for locations).

*Delivery Formats Used/Semesters Delivered:* USU offers classes online, by Independent Study and CD ROM, and broadcast on EDNET and satellite to receive sites across the state. See grid below for details.

Core Required Courses						
Course Number	Course Title	CR HR	GenEd Status	Delivery Format	Semesters Offered	Prerequisites
CS 1700	Introduction to Computer Science	3 cr		E	ARR	Math 1050 OR Math ACT score of at least 23
CS 1720	Introduction to Computer Science 2	3 cr	QI	E	ARR	CS 1700
CS 2200	Algorithms and Data Structures	3 cr		E	ARR	CS 1720
CS 2370	Software Engineering	3 cr		E	ARR	CS 2200
CS 2560	Computer Architecture	3 cr		E	ARR	CS 2550
CS 4700	Programming Languages	3 cr		E	ARR	CS 2200
CS 5000	Theory of Computability	3 cr		E	ARR	CS 2200 AND Math 3310
CS 5300	Compilers	4 cr		E	ARR	CS 4700
CS 5450	Multimedia Systems	4 cr		E	ARR	CS 2200
CS 5650	PAMI II	3 cr		E	ARR	CS 2200, MATH 2270 AND STAT 2000
CS 5800	Introduction to Database Systems	3 cr		E	ARR	CS 2200
CS 6890	Computer Security	var		E	ARR	Instructor permission
CS 6890	Computer Graphics	var		E	ARR	Instructor permission

LEGEND **General Education Status:** C – Composition AI – American Institutions OR – Quantitative Reasoning FA – Fine Arts SS – Social Science H – Humanities LS & PS – Life and Physical Science IR – Institutional Requirement **Delivery Format:** C – CD ROM E – EDNET I – Internet IS – Independent Study **Semesters:** S – Spring U – Summer F – Fall O – Open Entry/Open Exit ALL – Generally offered all semesters ARR -- Offered at least once every three years, more frequently depending on demand; see advisor for current annual schedule.