

SCHMID COLLEGE OF SCIENCE & TECHNOLOGY – SCHOOL OF COMPUTATIONAL SCIENCES
 BACHELOR OF SCIENCE IN COMPUTER INFORMATION SYSTEMS– FALL2015 / SPRING 2016
 COMPUTER INFORMATION SYSTEMS FACULTY

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 WEB <http://www.chapman.edu/scst/undergraduate/bs-computer-information-systems.aspx>

Using the guidelines below, students design their computer information systems program in consultation with their academic advisor. To graduate, computer information system majors are required to complete a minimum of 60 credits in the major.

lower–division core requirements (27 credits)

Course Number	Course Title	Credits	When offered
Mathematics 110	Single Variable Calculus II[^GE]	3	Every semester
Economics 200	Principles of Microeconomics	3	Every semester
Economics 201	Principles of Macroeconomics	3	Every semester
Mathematics 203	Introduction to Statistics	3	Every semester
Accounting 210	Introduction to Financial Accounting	3	Every semester
Accounting 211	Introduction to Managerial Accounting	3	Every semester
Computer Science 230	Computer Science I [^GE]	3	Every semester
Computer Science 231	Computer Science II	3	Every semester
Computer Science 236	Visual Programming	3	Every semester

upper–division requirements (24 credits)

Management 316	Principles of Management	3	Every semester
Philosophy 316	Business and Professional Ethics	3	Every semester
Finance317	Financial Management	3	Every semester
Management Science 346	Production and Operations Management	3	Every semester
Computer Science 348	Software Engineering	3	Spring semester,alternate years
Computer Science 350	Data Structures and Algorithms	3	Every semester
Computer Science 353	Data Communications and Computer Networks	3	Every Semester
Computer Science 408	Database Management	3	Every Semester

electives (9 credits)

three upper–division courses in computer science 9

total credits 60

Program Learning Outcomes and Educational Effectiveness Evaluation Plans for B.S. Computer Information Systems.

Note: ^approved for GE Quantitative Inquiry

RECOMMENDED SEQUENCE OF COMPUTER INFORMATION SYSTEMS CLASSES FOR MAJORS

	<u>FALL</u>	<u>INTERM</u>	<u>SPRING</u>
<i>Freshman</i>	Computer Science I, CpSc 230 Micro Economics, ECON 200 Single Variable Calculus I, MATH 110		Computer Science II, CpSc 231 Macro Economics, ECON 201 Introduction to Statistics, Math 203
<i>Sophomore</i>	Financial Accounting, ACTG 210 Visual Programming, CpSc 236		Managerial Accounting, ACTG 211 Data Structures, CpSc 350
<i>Junior</i>	Business and Professional Ethics, PHIL 316 Database Management, CpSc 408		Financial Management, FIN 317 Computer Networks, CpSc 353
<i>Senior</i>	Principles of Management,MGMT 316 Programming Languages, CpSc 354 Computational Economics, CpSc 430	Human Computer Interaction, CpSc 355	Production& Operations Management,MGSC 346 Software Engineering, CpSc 348

ADDITIONAL INFORMATION

GRADE REQUIREMENTS: Students pursuing a B.S. in Computer Information Systems must maintain a 2.000 "C" grade point average in the major. All courses in the major must be taken for a letter grade.

COMPUTER INFORMATION SYSTEMS HONORS AT GRADUATION Students graduating with a BS in Computer Information Systems will earn school honors at graduation by meeting the following criteria. Students must have a cumulative GPA of a 3.500 or higher and must have completed independent research. Completion of independent research includes the submission of a scientific manuscript to the computer science faculty, oral presentation to the faculty, poster presentation at the Schmid College Student Research Day, and a vote by the faculty group that the research, paper, and presentations were of sufficient quality to merit honors.

PLANNING FOR GRADUATE SCHOOL

GRADES AND THE GRE: Entrance to graduate school is competitive primarily depends on your course grades for the courses in your major, your overall grade point average for your last 60 units of study, and your scores on the Graduate Records Examination (GRE). Most graduate programs require a minimum GPA of 3.0 and GRE scores of 500 or better for verbal and quantitative skills.