

Program Modification

Program modifications must be submitted by October 15, 2013, and finalized by the end of that fall semester for catalog production.
Enter data in **YELLOWED** areas.

Date (Change date if modified and update the file name with the new date): 7/2/13

Program Area: Information Technology, B.S

Semester /Year First affected: Fall 2014

Instructions: Please use this Program Modification form for changes to existing program requirements, units, outcomes, emphases or options, or for other programmatic concerns. For minor changes (faculty or address changes, additions of approved electives, minor editing for clarity, and other minor updates) use the Program Update form, available at the Curriculum website.

Paste the latest approved version of your entire program in the left AND right boxes below. Make your deletions in the LEFT column by using the strikeout feature in Word or underlining, **and highlight**. Insert new language or other changes to the program on the RIGHT and highlight in **YELLOW** for easy identification. If possible, please align the two columns so that changes appear side-by-side with the original text.

SUMMARY OF CHANGES

Remove MGT471 as an elective

JUSTIFICATION

MGT471 is prohibitively expensive for undergraduates.

CURRENTLY APPROVED PROGRAM

Information Technology, B.S. – 120 units Special Grade Requirements A grade of C- or better is required in all prerequisites courses in the major Summary of Units: Lower Division Requirements17

PROPOSED PROGRAM

Information Technology, B.S. – 120 units Special Grade Requirements A grade of C- or better is required in all prerequisites courses in the major Summary of Units: Lower Division Requirements17

Core Courses 27 Upper Division Electives 18 Technology Electives 9 Capstone 4 General Education and Title V 42 University Electives 3 Total 120 units Lower Division Requirements - 17 units 1. Statistics 3 units Select one of the following: • MATH 201 - Elementary Statistics Units: 3 • MATH 202 - Biostatistics (Cross-listed as PSY 202) Units: 3 • MATH 329 - Applied Statistics for Business and Economics Units: 3 2. Two semesters of a Laboratory science: Physics, Chemistry, or Biology 8 units BIOL 200 - Principles of Organismal and Population Biology Units: 4 and • BIOL 201 - Principles of Cell and Molecular Biology Units: 4 or • CHEM 121 - General Chemistry I Units: 4 and • CHEM 122 - General Chemistry II Units: 4 or • PHYS 100 - Introduction to Physics I Units: 4 and • PHYS 101 - Introduction to Physics II Units: 4 3. First course in programming 3 units	Core Courses 27 Upper Division Electives 18 Technology Electives 9 Capstone 4 General Education and Title V 42 University Electives 3 Total 120 units Lower Division Requirements - 17 units 1. Statistics 3 units Select one of the following: • MATH 201 - Elementary Statistics Units: 3 • MATH 202 - Biostatistics (Cross-listed as PSY 202) Units: 3 • MATH 329 - Applied Statistics for Business and Economics Units: 3 2. Two semesters of a Laboratory science: Physics, Chemistry, or Biology 8 units BIOL 200 - Principles of Organismal and Population Biology Units: 4 and • BIOL 201 - Principles of Cell and Molecular Biology Units: 4 or • CHEM 121 - General Chemistry I Units: 4 and • CHEM 122 - General Chemistry II Units: 4 or • PHYS 100 - Introduction to Physics I Units: 4 and • PHYS 101 - Introduction to Physics II Units: 4 3. First course in programming 3 units
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• COMP 105 - Computer Programming Introduction Units: 3 4. First course in Computer Architecture and Assembly Language 3 units • COMP 162 - Computer Architecture and Assembly Language Units: 3 Note: Appropriate community college courses may meet these requirements. Core Courses - 27 units • MATH 300 - Discrete Mathematics Units: 3 - or • MATH 301 - Discrete Mathematics for IT Units: 3 • IT 151 - IT Programming Units: 3 • IT 221 - Unix System Programming I (Cross-listed as COMP 221) Units: 3 • IT 420 - Database Theory and Design (Cross-listed as COMP 420) Units: 3 • IT 421 - Unix System Programming II (Cross-listed as COMP 421) Units: 3 • IT 424 - Computer System Security (Cross-listed as COMP 424) Units: 3 • IT 429 - Computer Networks (Cross-listed as COMP 429) Units: 3 • MIS 310 - Management Information Systems Units: 3 • MGT 307 - Management of Organizations Units: 3	• COMP 105 - Computer Programming Introduction Units: 3 4. First course in Computer Architecture and Assembly Language 3 units • COMP 162 - Computer Architecture and Assembly Language Units: 3 Note: Appropriate community college courses may meet these requirements. Core Courses - 27 units • MATH 300 - Discrete Mathematics Units: 3 - or • MATH 301 - Discrete Mathematics for IT Units: 3 • IT 151 - IT Programming Units: 3 • IT 221 - Unix System Programming I (Cross-listed as COMP 221) Units: 3 • IT 420 - Database Theory and Design (Cross-listed as COMP 420) Units: 3 • IT 421 - Unix System Programming II (Cross-listed as COMP 421) Units: 3 • IT 424 - Computer System Security (Cross-listed as COMP 424) Units: 3 • IT 429 - Computer Networks (Cross-listed as COMP 429) Units: 3 • MIS 310 - Management Information Systems Units: 3 • MGT 307 - Management of Organizations Units: 3
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Upper Division Electives - 18 units Choose 18 units from the following: • COMP 345 - Digital Image Processing (Cross-listed as PHYS 345, MATH 345) Units: 3 • COMP 350 - Introduction to Software Engineering Units: 3 • COMP 362 - Operating Systems Units: 4 • COMP 425 - Computer Game Programming Units: 3 • IT 380 - Web Programming Units: 3 • IT 400 - eCommerce Units: 3 • IT 401 - Web Intelligence Units: 3 • IT 402 - Advanced Web Programming Units: 3 • IT 464 - Computer Graphic Systems and Design I (Cross-listed as COMP 464) Units: 3 • IT 490 - Special Topics for IT Units: 3 • IT 492 - Internship Units: 1-3 • IT 494 - Independent Research Units: 1-3 • IT 497 - Directed Studies Units: 3 • MGT 471 - Project Management Units: 3 (Additional electives to be added based on faculty availability). Technology Electives - 9 units For a listing of suitable CI courses, see the BSIT program advisor Capstone - 4 units • IT 491 - Capstone Preparation Units: 1 • IT 499 - Capstone Project Units: 3 General Education and American Institutions - 42 units General Education 33 American Institutions 6 University Electives 3	Upper Division Electives - 18 units Choose 18 units from the following: • COMP 345 - Digital Image Processing (Cross-listed as PHYS 345, MATH 345) Units: 3 • COMP 350 - Introduction to Software Engineering Units: 3 • COMP 362 - Operating Systems Units: 4 • COMP 425 - Computer Game Programming Units: 3 • IT 380 - Web Programming Units: 3 • IT 400 - eCommerce Units: 3 • IT 401 - Web Intelligence Units: 3 • IT 402 - Advanced Web Programming Units: 3 • IT 464 - Computer Graphic Systems and Design I (Cross-listed as COMP 464) Units: 3 • IT 490 - Special Topics for IT Units: 3 • IT 492 - Internship Units: 1-3 • IT 494 - Independent Research Units: 1-3 • IT 497 - Directed Studies Units: 3 (Additional electives to be added based on faculty availability). Technology Electives - 9 units For a listing of suitable CI courses, see the BSIT program advisor Capstone - 4 units • IT 491 - Capstone Preparation Units: 1 • IT 499 - Capstone Project Units: 3 General Education and American Institutions - 42 units General Education 33 American Institutions 6 University Electives 3
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Peter Smith	7/2/13
Proposer of Program Modification	Date

APPROVAL SHEET

Program: Computer Science and Information Technology

If your course has a General Education Component or involves Center affiliation, the Center will also sign off during the approval process.

Multiple Chair fields are available for cross-listed courses.

The CI program review process includes a report from the respective department/program on its progress toward accessibility requirement compliance. By signing below, I acknowledge the importance of incorporating accessibility in course design.

Program Chair		
	Signature	Date

Curriculum Chair		
	Signature	Date

AVP		
	Signature	Date