CIS

2019-2020 DEGREE REQUIREMENT SUMMARY
B.S. IN COMPUTER INFORMATION SYSTEMS

GENERAL EDUCATION REQUIREMENTS

(____) IT 101  Information Technology
(____) EXP_____  Expository Writing I³
(____) EXP_____  Expository Writing II³
(____) _________  Literature/Cinema/EMS²
(____) MA_______  Mathematical Science I³
(____) MA_______  Mathematical Science II³
(____) NASC_____  Natural Science (4cr)
(____) _________  Global Studies: GLS 100, 101, 102, 105, or 116
(____) HI_______  History
(____) PH 101  Problems of Philosophy
(____) PS/SO___  Behavioral Science
(____) EC 111  Principles of Microeconomics
(____) EC 112  Principles of Macroeconomics
(____) FS 111  First Year Seminar (1cr)

BUSINESS CORE REQUIREMENTS

(____) GB 110  Legal and Ethical Environment of Business
(____) GB 112  Tools & Concepts in Accounting & Finance
(____) GB 212  Practice & Applications in Accounting & Finance
(____) GB 213  Business Statistics
(____) GB 214  Marketing-Operations Fundamentals
(____) GB 215  Human Behavior and Organizations
(____) GB 310  Business Processes and Systems
(____) GB 320  General Business Field Project
(____) GB 410  Global Strategy

MAJOR REQUIREMENTS

(____) CS 150  Introduction to Data & Information Management
(____) CS 180  Programming Fundamentals
(____) CS 240  Business Processing & Comm. Infrastructure
(____) CS 350  Database Management Systems
(____) CS 360  Business System Analysis & Modeling
(____) CS_____  Computer Information Systems Elective⁴
(____) CS_____  Computer Information Systems Elective⁴
(____) CS_____  Computer Information Systems Elective⁴

ELECTIVES⁵, ⁶

(____) MA_________  Math Elective
(____) _____________  Humanities/Social Science Elective
(____) _____________  Business Related Elective
(____) _____________  Arts & Science Elective
(____) _____________  Arts & Science Elective
(____) _____________  Arts & Science Elective
(____) _____________  Arts & Science Elective
(____) _____________  Arts & Science Elective
(____) _____________  Unrestricted Elective
(____) _____________  Unrestricted Elective

COURSE FOCUS REQUIREMENTS

( ) U.S. Diversity Intensive (D)
( ) International Intensive (I)
( ) Communication Intensive (C)
( ) Communication Intensive/Major (CS 360)

Approved Minor in _____________________________

Office Notes:

IMPORTANT NOTICE! Students are responsible for understanding all university policies, procedures and requirements. Such information can be found in the Undergraduate Course Catalogue, Registrar’s website, and the Student Handbook. Please be aware that overall and major averages must be at least 2.000 for graduation. This information is to help the student in monitoring progress toward the degree. Responsibility for meeting all degree requirements rests with the student.

1. Placement in this course is determined by the English and Media Studies department.
2. Requirement may be fulfilled with any LIT/CIN/EMS or MLCH 402, MLFR 304, MLIT 304, MLSP 301, 404, or 405.
3. The Math sequence consists of either MA 123 & MA 126 or MA 131 & MA 139, depending upon departmental placement.
4. Any 3-credit CIS course, not otherwise required, can fulfill the CIS elective requirement except CS 213. Major electives should be selected in consultation with a faculty mentor. Any substitutions for these major requirements require the permission of the chairperson.
5. CIS majors are required to take a MA elective, which can be fulfilled by a MA course numbered 200 or higher which does not duplicate material presented in any previously taken course.
6. Elective guidelines are available on the Registrar’s website. An optional 12-credit minor can fulfill the applicable elective requirements.

Total credits required 122
Note: Transfer students with at least 15 credits in transfer will complete 121 credits.

All courses are 3 credits unless otherwise indicated.

Updated 8.20.19
Computer Information Systems

Required Courses

1. CS 150  Introduction Data and Information Management
2. CS 180  Programming Fundamentals
3. CS 240  Business Processing and Communication Infrastructure
4. CS 350  Database Management Systems
5. CS 360  Business Systems Analysis and Modeling
6. CS Elective (see below)
7. CS Elective (see below)
8. CS Elective (see below)

Computer Information Systems major prerequisite structure:

<table>
<thead>
<tr>
<th>Courses</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 150</td>
<td>IT 101</td>
</tr>
<tr>
<td>CS 180</td>
<td>IT 101</td>
</tr>
<tr>
<td>CS 240</td>
<td>IT 101</td>
</tr>
<tr>
<td>CS 350</td>
<td>CS 150</td>
</tr>
<tr>
<td>CS 360</td>
<td>CS 150</td>
</tr>
<tr>
<td>CS Elective</td>
<td>vary by course</td>
</tr>
<tr>
<td>CS Elective</td>
<td>vary by course</td>
</tr>
<tr>
<td>CS Elective</td>
<td>vary by course</td>
</tr>
</tbody>
</table>

- Students who have already started the CIS major are strongly encouraged to meet with a faculty mentor to develop an academic plan for course planning.

- Students who are interested in CIS and/or cannot rule out CIS as a potential major are encouraged to start their CIS courses (150 and/or 180) in their sophomore year. If they decide that CIS is not for them, these courses will count as arts and science electives.

- Electives can be chosen from any CS course except CS 213. Refer to the registration book for any other exceptions.

- Qualified students are highly encouraged to include an internship in their course sequence to provide on-the-job experience prior to graduation.