

# Suggested Four-Year Degree Plan INFORMATION TECHNOLOGY (EMBEDDED CERTIFICATE IN CYBER SECURITY)



## Information Technology – Bachelor of Science (with Embedded Certificate in Cyber Security)

FIRST YEAR	
<b>Fall Semester</b>	<b>16-18 Hours</b>
UNIV 1001/1113 Intro to Univ Life..... (1/3)	
ENGL 1113 English Composition I ..... (3)	
MATH 1513 College Algebra (or higher)..... (3)	
IT 1013 Intro to Computer Systems <sup>E</sup> (FA, SP)..... (3)	
COMM 1113 Principles of Communication ..... (3)	
<b>IT 1063 Intro to Networking<sup>E</sup>(FA, SP)..... (3)</b>	
<b>Spring Semester</b>	<b>16 Hours</b>
ENGL 1213 English Composition II..... (3)	
HIST 1483/1493 U.S. History to/since 1865 ..... (3)	
PS 1113 American Federal Government..... (3)	
<b>CS 1314/1314L Computer Sci I/Lab<sup>E</sup>(FA, SP) or IT 1414/1414L Prog I<sup>E</sup> (SP)..... (4)</b>	
<b>IAS 2233 Intro to Info Assurance/Security<sup>E</sup> (FA, SP)..... (3)</b>	

THIRD YEAR	
<b>Fall Semester</b>	<b>17 Hours</b>
General Education Health and Wellness ..... (1)	
BIOL 1004/1004L General Biology/Lab..... (4)	
MATH 2713 Elementary Calc..... (3)	
<b>MIS 3033 Database Design &amp; Management (FA)..... (3)</b>	
IAS 3063 Information Assurance Networking Fundamentals <sup>E</sup> ..... (3)	
<b>IT 3013 Technical Communications (FA)..... (3)</b>	
<b>Spring Semester</b>	<b>14 Hours</b>
General Education Health and Wellness ..... (1)	
ASTR 1104 Contemporary Astronomy ..... (4)	
Electives ..... (6)	
IAS 4063 Topics: Cyber Security <sup>E</sup> ..... (3)	

<sup>E</sup> Denotes Requirement for Embedded Certificate

<sup>M</sup> Denotes Minimum Grade Needed for Course

<sup>R</sup> Denotes Restriction to Students Admitted to Educator Preparation Program

! Denotes Critical Course

**Bolded** courses indicate guaranteed course rotation for major core: (FA=Fall; SP=Spring; SU=Summer; O=Odd Year; E=Even Year).

This is a recommended semester-by-semester plan of study for this major for a hypothetical student and will not substitute for meeting with an advisor to discuss individual student needs. Course offerings are subject to change based on enrollment. However, courses or requirements designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

### Graduation Requirements Summary

Minimum Total Hours for Graduation	124
Minimum Upper-Division Hours	40
Minimum Gen Ed Hours	44
Minimum Liberal Arts Hours	55
Minimum Major GPA	2.000
Minimum Overall GPA	2.000

SECOND YEAR	
<b>Fall Semester</b>	<b>17 Hours</b>
General Education Humanities-Aesthetics ..... (3)	
<b>IT 2033 Fund of Systems Analysis and Design (FA)..... (3)</b>	
IAS2333 Computer Forensics <sup>E</sup> ..... (3)	
<b>CS 1514/1514L Computer Sci II/Lab or IT 2414/2414L Prog II (FA)..... (4)</b>	
<b>IT 2064/2064L Internetworking Technologies/Lab<sup>E</sup> (FA, SP)..... (4)</b>	
<b>Spring Semester</b>	<b>15 Hours</b>
General Education Behavioral Science..... (3)	
<b>STAT 2013 Intro to Probability &amp; Statistics I (FA, SP) ..... (3)</b>	
Technical-Occupational Elective (Advisor Approved) ..... (3)	
CS 1733 Operating Systems Technologies <sup>E</sup> ..... (3)	
IAS 3233 E-Commerce and Web Security <sup>E</sup> ..... (3)	

FOURTH YEAR	
<b>Fall Semester</b>	<b>16 Hours</b>
GEOG 3023 Economic Geography..... (3)	
General Education Health and Wellness..... (1)	
General Education Humanities-Diversity ..... (3)	
Guided Elective (CS, IAS, IT, or MIS).....(3)	
IAS 3263 Security Architecture and Design <sup>E</sup> ..... (3)	
<b>IT 3603 Human Computer Interface Development (FA, SP)..... (3)</b>	
<b>Spring Semester</b>	<b>13 Hours</b>
General Education Health and Wellness..... (1)	
Elective..... (3)	
<b>IT 4013 Research Topics in IT (SP)..... (3)</b>	
<b>IT 4343 Legal and Ethical Issues IT Professional (SP)..... (3)</b>	
<b>IT 4443 IT Capstone (!) (SP) ..... (3)</b>	