Sample Course of Study
Information Science & Technology, B.S. (No Concentration)

USCB — UNIVERSITY OF SOUTH CAROLINA BEAUFORT

Information Science & Technology (ISAT) BS Degree 4-Year Example Course Plan - Credit Hrs Req'd: 120 (As shown in example below: 120-122 hrs)

NOTE: This table represents a typical 4-year course plan for the ISAT major, but this is one of many possible permutations. Specific courses and the semesters in which they are taken are determined in consultation with the student's academic advisor each semester. It is suggested that students use this example course plan, in conjunction with their DegreeWorks report, to prepare their own course plan. Also, note that additional prerequisite MATH courses may be needed depending on the student's math placement test score.

Fall Semester	Cr.	Spring Semester	Cr.
First Year			
ISAT B102 Intro to HTML & CSS (Free Elective, or may fulfill GE Numerical & Analytical Reasoning requirement if needed)	3	ISAT B104 Comptr Programming Techniques, Practices, & Tools (Program Requirement)	3
MATH B115 Pre-Calculus (If necessary as prerequisite for later MATH courses; may fulfill GE Numerical & Analytical Reasoning requirement or Free Elective, as needed)	4	MATH B141 Calculus I (Program Requirement)	4
ENGL B101 Composition and Rhetoric (GE English Requirement)	3	ISAT B150 Intro to Computer Science	3
General Education (GE) Elective (Liberal Arts, History, Fine Arts, Social/Behavioral Sciences, Speech, Foreign Language, Global Citizenship & Multicultural Understanding, REACH Act)	3	ENGL B102 Composition and Literature (GE English Requirement)	3
General Education (GE) Elective (Liberal Arts, History, Fine Arts, Social/Behavioral Sciences, Speech, Foreign Language, Global Citizenship & Multicultural Understanding, REACH Act)	3	General Education (GE) Elective (Liberal Arts, History, Fine Arts, Social/Behavioral Sciences, Speech, Foreign Language, Global Citizenship & Multicultural Understanding, REACH Act)	3
Total Semester Hours	16	*Total Semester Hours*	16
Second Year			
ISAT B145 Object-Oriented Programming I *(formerly "Java Programming & Algorithmic Design I")* (Program Requirement)	4	ISAT B146 Object-Oriented Programming II *(formerly "Algorithm Design II")* (Program Requirement)	4
ISAT B201 Intro to Computer Security (Program Requirement)	3	ISAT B207 Computer System Administration (Program Requirement)	3
ISAT B211 Digital Logic Design (Program Requirement)	3	ISAT B212 Intro to Computer Architecture (Program Requirement)	3
GE Natural Science Elective (with lab)	4	GE Natural Science Elective (lab optional)	3
General Education (GE) Elective (Liberal Arts, History, Fine Arts, Social/Behavioral Sciences, Speech, Foreign Language, Global Citizenship & Multicultural Understanding, REACH Act)	3	STAT B240 Fundamentals of Probability & Statistics (Program Requirement; **STAT B240 is the preferred course**; however if B240 is not offered, STAT B201 can be taken instead with dept. chair permission)	3
Total Semester Hours	17	*Total Semester Hours*	16
Third Year			
ISAT B320 Database Management Systems I (Major Requirement)	3	ISAT B321 Database-Driven Applications Development (Major Requirement)	3
MGMT B371 Principles of Management and Leadership (Major Requirement)	3	ISAT B416 Intro to Computer Networks (Major Requirement)	3
ISAT B350 Intro to Data Structures & Algorithms (Major Requirement)	3	ENGL B262 Introduction to Technical Writing (Program requirement, fulfills one GE Liberal Arts Elective)	3
General Education (GE) Elective (Liberal Arts, History, Fine Arts, Social/Behavioral Sciences, Speech, Foreign Language, Global Citizenship & Multicultural Understanding, REACH Act)	3	General Education (GE) Elective (Liberal Arts, History, Fine Arts, Social/Behavioral Sciences, Speech, Foreign Language, Global Citizenship & Multicultural Understanding, REACH Act)	3
ISAT, CSCI, or Free Elective	3	ISAT, CSCI, or Free Elective	3
Total Semester Hours	15	*Total Semester Hours*	15
Fourth Year			
ISAT B401 Information Security Principles (Major Requirement)	3	ISAT B470 Software System Process & Management (Major Requirement)	3
ISAT B437 Information Technology Project Management (Major Requirement)	3	ISAT B499 Internship (Major Requirement; also note that internships may instead be completed in fall or summer, depending on work availability. *Please discuss w/advisor early!*)	1-3
General Education (GE) Elective	3	GE Elective [if needed] or ISAT/CSCI/Free Elective	3
ISAT, CSCI, or Free Elective	3	ISAT, CSCI, or Free Elective	3
		ISAT, CSCI, or Free Elective	3
Total Semester Hours	12	*Total Semester Hours*	13-15

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