Information Technology

BS in Information Technology (Fall 2019 & Later)

Minimum 120 credits required for Bachelor's degree

51+15 credits INFORMATION TECHNOLOGY MAJOR

Foundational Core (30-32 Credits)   **Grade**

		Grade
FYS 125[1]	First Year Seminar	
CTL-125	Critical Thinking	
MA ____	Foundational Core Math course [3]	
Choose 1 course from each area *		
[2]Natural/Physical Science		
Literature		
History	HI-100 or HI-102	
Arts/Design/Comm. [6]		
Philosophy		
Theology/Relig		
Social/Behavioral Science [4]		

Human Journey Seminars: Great Books in CIT (6 Credits)

CIT 201	CIT Seminar I	
CIT 202	CIT Seminar II	

Liberal Arts Explorations (9 Credits Total)

Student must complete one course in each area.
(see list on Registrar's Website - checksheets)

Humanistic Inquiry (3 credits)		
Social and Global Awareness		
Scientific Literacy (3 credits)[5]		

* See list of courses.

[1](Requires Grade C or higher)

[2]Science/Natural Science courses includes
 approved Math and Computer Science courses. Students
are required to take at least one course in Biology, Chemistry, or
Physics in the Foundational or Liberal Arts Exploration Core.
Major and MA courses may be used as a Science/Natural Science
in either the Foundational Core **or** as a requirement in the LAE
Core, but not in both categories.

[3] MA109 or MA110 may count in this area

[4] EC101 or EC202 or EC295 is recommended

[5] MA131 may count in this area

[6] AR114 is recommended

Note: MA 006 and ESL courses **will not** count towards the 120
credit graduation requirement.

Approved Study Abroad courses may be used to satisfy
requirements for the foundational core or
a Thematic Liberal Arts Theme.

A maximum of 8 Applied Music credits may be applied
towards graduation

REQUIRED CURRICULUM		CR	Grade
CSE 125	CSE Explorations	1	
ITI 125	IT Explorations	1	
CS 111	Introduction to Structured Programming	3	
CS 112	Data Structures	3	
CS 113	Discrete Structures	3	
ITI 212	Web Systems Development	3	
CS 215	Computer Systems Organization	3	
CS 232	Human-Computer Interaction	3	
ITI 236	Advanced Scripting Concepts	3	
ITI 261	Professional Web Design	3	
CS 311	Database Design	3	
CS 319	Computer Ethics	3	
CS 321	Research Methods Seminar	2	
CS 338	Systems Analysis and Design	3	
CS 339	Networking and Data Communications	3	
ITI 342	Enterprise System Management	3	
CS 390	Internship	3	
ITI 417	Senior Project Design	2	
ITI 418	Senior Project Implementation	3	
		51	

Required Supporting Courses[1]		CR	Grade
MA 109	Algebra for Business and Sciences	3	
MA 110	Business Calculus	3	
MA 131	Elementary Statistics **	3	
MGT 101	Organizational Management	3	
PH-221, PH-231 or PH-251	Philosophy course***	3	
	[1] Must have grade of C or better		
		15	

Checksheet Key	
T	Course transferred and Requirement satisfied
W	Requirement waived
TW	Course transferred and Requirement waived

** Counts for Scientific Literacy LAE

*** Counts for Philosophy course in Foundational Core

WELCH COLLEGE OF BUSINESS AND TECHNOLOGY
SCHOOL OF COMPUTER SCIENCE & ENGINEERING
BS in Information Technology (Fall 2019 & Later)

YEAR 1	SEMESTER I	YEAR 1	SEMESTER 2
FYS 125 OR CTL 125	First Year Seminar OR Crititcal Thinking	CTL 125 OR FYS 125	Critical Thinking OR First Year Seminar
MA 109	Algebra for Business and Sciences	MA 110	Business Calculus
CSE 125	CSE Explorations	ITI 125	IT Explorations
CS 111	Intro to Structured Programming	CS 112	Data Structures
CORE	Foundational Core	CS 113	Discrete Structures

YEAR 2	SEMESTER 3	YEAR 2	SEMESTER 4
CIT 201	Human Journey Seminar I	CIT 202	Human Journey Seminar II
MA 131	Elementary Statistics (LAE Literacy)	CS 215	Computer Systems Organization
ITI 212	Web Systems Development	ITI 236	Advanced Scripting Concepts
CS 232	Human Computer Interaction	ITI 261	Professional Web Design
MGT 101	Organizational Management	CORE	Foundational Core

YEAR 3	SEMESTER 5	YEAR 3	SEMESTER 6
CS 311	Database Design	CS 321	Research Methods Seminar
CS 319	Computer Ethics (LAE Awareness)	CS 338	Systems Analysis and Design
CS 339	Networking & Data Communications	ITI 342	Enterprise System Management
CORE	Foundational Core	CORE	Foundational Core
	Free Elective		Free Elective
CS 390	Internship (Summer or Fall)		Free Elective

YEAR 4	SEMESTER 7	YEAR 4	SEMESTER 8
ITI 417	Senior Project Design	ITI 418	Senior Project Implementation
	Free Elective		Free Elective
	Free Elective		Free Elective
CORE	Foundational Core		Free Elective
LAE Inquiry	LA Exploration Inquiry	CORE	Foundational Core

effective Fall 2019

Total Credits 120