Information Technology

BS in Information Technology (Fall 2024 & Later)

Minimum 120 credits required for Bachelor's degree   69 credits **Information Technology MAJOR**

Foundational Core (27-29 Credits)

Foundational Core		Grade
FYWS-125[1]	First Year Seminar	3
Choose 1 course from each area *		
Math		
[2]Natural/Physical Science		3
Literature		**3**
History	HI-100, HI-102 or HI-110	3
Arts/Design/Comm.		3
Philosophy		3
Theology/Relig		3
Social/Behavioral Science		3

Human Journey Seminars: Great Books in CIT (6 Cr

CIT 201	CIT Seminar I	3
CIT 202	CIT Seminar II	3

Liberal Arts Explorations (LAE) (12 Credits Total)

Student must complete 4 courses from at least 2 different subjects and one course in each area. (see list on Registrar's Website - checksheets)

Humanistic Inquiry (3 credits)		3
Social and Global Awareness (3 credits)		
Scientific Literacy (3 credits)		
LAE in any area (3 credits)		3

* See list of courses.   **36**

[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.
CS 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.

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 Liberal Arts Exploration

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

REQUIRED CURRICULUM

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	
CS 215	Computer Systems Organization	3	
CY 221	Foundations of Cybersecurity	3	
ITI 212	Web System Development	3	
ITI 232	Human Computer Interaction	3	
ITI 236	Advanced Scripting concepts	3	
ITI 261	Professional Web Design	3	
CS 311	Database Design	3	
CS 321	Research Methods Seminar	2	
ITI 338	System Analysis and Design	3	
CS 339	Networking and Data Communications	3	
ITI 342	Enterprise System Management	3	
ITI 350	Data Analytics	3	
CS 390	Internship	3	
ITI 417	Senior Project Design	2	
ITI 418	Senior Project Implementation	3	
		54	

Required Supporting Courses ***		CR	Grade
CS 319	Computer Ethics	3	
MA 109	Algebra for Business and Science	3	
MA 110	Business Calculus	3	
MA 131	Elementary Statistics	3	
MGT 101	Organizational Management	3	
	*** Must have grade of C or better		
		15	

Free electives		CR	Grade
		3	
		3	
		3	
		3	
		3	
		15	

105 credits

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

WELCH COLLEGE OF BUSINESS AND TECHNOLOGY
SCHOOL OF COMPUTER SCIENCE & ENGINEERING
BS in Information Technology (Fall 2024 & Later)

YEAR 1	SEMESTER I	YEAR 1	SEMESTER 2
FYWS 125	First Year Seminar		LAE
MA 109	Algebra for Business and Science	MA 110	Business Calculus
CSE 125	CSE Explorations	CS 125	CS 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	ITI 236	Advanced Scripting concepts
ITI 212	Web System Development	ITI 261	Professional Web Design
ITI 232	Human Computer Interaction	CS 215	Computer Systems Organization
MGT 101	Organizational Management	CORE	Foundational Core

YEAR 3	SEMESTER 5	YEAR 3	SEMESTER 6
CS 319	Computer Ethics (LAE Awareness)	CS 321	Research Methods Seminar
CS 339	Networking and Data Communications	ITI 338	System Analysis and Design
CS 311	Database Design	ITI 342	Enterprise System Management
CORE	Foundational Core	CORE	Foundational Core
CY 221	Foundations of Cybersecurity		Free elective
CS 390	Internship (Summer or Fall)		

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

effective Fall 2024

Total Credits 120