



# Granite State College

## Bachelor of Science in Information Technology - Curriculum Map

### Degree Outcomes

*Students will:*

- possess proficiency in information technology, including programming fundamentals, software, network systems, and databases, as well as their relevant web interfaces and applications.
- demonstrate both practical skills and theoretical knowledge of information technology, enabling graduates to make a professional contribution to organizations across sectors.
- engage in effective critical thinking and problem-solving in the field of information technology.
- assess the needs of technology users and articulate appropriate strategies for meeting those needs through hardware and software.

### Early Course Group - Taken early in the degree program.

		PROJECTED	COMPLETED
CRIT 500	Critical Thinking		
CMPL 511	Software Tools		
ENG 500	Writing Process		
MATH 502	College Math		
COMM 550 or 551, or 553	Communication Requirement		
CMPL 515	Programming Fundamentals		

### Middle Course Group - Taken in the middle of the degree program.

		PROJECTED	COMPLETED
CMPL 518	Visual Programming I		
CMPL 612	Advanced Software Tools		

### Upper Course Group - Taken near the end of the degree program.

		PROJECTED	COMPLETED
CMPL 614	Computer and Network Systems		
CMPL 618	Visual Programming II		
CMPL 622	Human Computer Interaction		
CMPL 628	Visual Programming III		
MGMT 622	Database Management Systems		
MGMT 623	Systems Analysis and Design		

### Capstone Course - Taken after all other requirements in the major.

		PROJECTED	COMPLETED
CMPL 650	Best Practices in Information Technology		

### Anytime Courses - Choose courses of interest at any time to fill openings in your degree program.

		PROJECTED	COMPLETED
Arts & Culture Requirement	<b>Choose 1:</b> ARTS 501, ARTS 515, ARTS 526, ARTS 538, ARTS 550, ENG 508, ENG 604, HUMN 502, HUMN 550 (GP), HUMN 560 (GP)		
History & Politics Requirement	<b>Choose 1:</b> HIS 502 (GP), HIS 510, HIS 511, HIS 602, HIS 611 (GP), POL 550, POL 554, POL 600 (GP)		
Literature & Ideas Requirement	<b>Choose 1:</b> ENG 508, ENG 510, ENG 555, ENG 620 (GP), ENG 625 (GP), ENG 633, ENG 640, HUMN 502, HUMN 504 (GP), HUMN 505		
Social Science Requirement	<b>Choose 1:</b> POL 554, PSY 501, PSY 508, PSY 509, PSY 617, SOC 501, SOC 603 (GP), SOSC 602 (GP), SOSC 604		
Science Requirement	<b>Choose 2:</b> SCI 502, SCI 505, SCI 506, SCI 512, SCI 518, SCI 539 (GP), SCI 541 (GP)		
General Electives	Choose additional courses to reach required degree total of 124 credits.		
Global Perspectives Requirement	<b>Choose 1:</b> Global Perspectives courses are designated (GP)		

*This document is provided for student convenience, and is not an official record of Granite State College degree progress. Important Note: Transfer Credits, Exams, Prior Learning Credit, and grades earned will impact the above.*



# Granite State College

## Bachelor of Science in Information Technology - Sample Schedule

*Use this example or create your own schedule using the Curriculum Map*

### TERM 1

CRIT 500 Critical Thinking  
CMPL 511 Software Tools

### TERM 2

ENG 500 Writing Process  
CMPL 515 Programming Fundamentals

### TERM 3

COMM 550, 551, or 553 Communication  
General Elective (any course)

### TERM 4

MATH 502 College Math  
Arts & Culture course requirement

### TERM 5

CMPL 612 Advanced Software Tools  
CMPL 518 Visual Programming I

### TERM 6

CMPL 618 Visual Programming II  
History & Politics course requirement

### TERM 7

CMPL 614 Computer and Network Systems  
General Elective (any course)

### TERM 8

Science course requirement 1  
CMPL 622 Human Computer Interaction

### TERM 9

Global Perspectives Requirement  
General Elective (any course)

### TERM 10

CMPL 628 Visual Programming III  
General Elective (any course)

### TERM 11

MGMT 622 Database Management Systems  
Social Science course requirement

### TERM 12

Literature & Ideas course requirement  
General Elective (any course)

### TERM 13

MGMT 623 Systems Analysis and Design  
General Elective (any course)

### TERM 14

Science course requirement 2  
General Elective (any course)

### TERM 15

CMPL 650 Integrative: Best Practices in Information Technology  
General Elective (any course)

### TERM 16

General Elective (any course)