

## Certificate Map

### Certificate in Internet and Information Technology – Catalog Year 2025-26

The number of credits you take each year will determine when you graduate. To graduate on time, you are strongly encouraged to enroll in at least 30 credits toward your certificate during the calendar year, including fall and spring semesters and winter and summer sessions. This certificate map is designed for students who are placed into developmental English or Mathematics. An additional certificate pathway is available for students who place into MA-119 and ENGL-101. Please see the certificate website or your advisor for more information.

Courses in **Bold Text** are prerequisites for later courses or only offered in the Fall or Spring semester and should be taken where indicated in the sequence.

#### Fall Semester #1

Courses	Credits	Prerequisites and Corequisites <sup>1</sup>
<b>ENGL-101 English Composition I (ALP section)</b> (Required Core 1A - English Composition)	3	Pre/corequisite: Must satisfy developmental requirement in English or be co-enrolled in BE-102
<b>ENGL-99 Developing Competence in College Reading, Writing, &amp; Study Skills</b>	0 (4 eq.)	Corequisite: ENGL-101
<b>MA-321 Mathematics in Contemporary Society</b> (Required Core 1B - Mathematical & Quantitative Reasoning)	3	Pre/corequisite: Must satisfy developmental requirement in Math or be co-enrolled in MA-321 ALP
<b>MA-321 ALP Mathematics in Contemporary Society</b>	0 (2 eq.)	Corequisite: MA-321
<b>ET-710 Front-End UI/UX Web Development</b>	3	None
<b>Total credits for the term</b>	<b>9 + 6 eq.</b>	

#### Spring Semester #1

Courses	Credits	Prerequisites and Corequisites <sup>1</sup>
ET-504 Operating Systems and System Deployment	2	None
ET-575 Introduction to C++ Programming Design & Implementation	3	Prerequisite: ET-502 or ET-574 OR Corequisite: MA-440 or department permission
<b>ET-704 Networking Fundamentals I</b>	4	None
<b>ET-712 Web Client Programming: JavaScript</b>	3	None
Major Electives – select 2-4 credits for the table below	2-4	Check individual courses for prerequisites and corequisites
<b>Total credits for the term</b>	<b>14-16</b>	

## Summer Session

Courses	Credits	Prerequisites and Corequisites <sup>1</sup>
Major Electives – select 2-4 credits for the table below	2-4	Check individual courses for prerequisites and corequisites
One History or Social Science course from Flexible Core 2A, 2B, 2D, or 2E: (HIST, ANTH, CRIM 101 or 205), ECON, PLSC, PSYC, or SOCY)	3	Check individual courses for prerequisites and corequisites
<b>Total credits for the session</b>	<b>5-7</b>	

### Notes:

1. Prerequisites for a course must be passed before taking the course. Corequisites must be passed before taking the course or taken in the same term as the course.

Major Elective Courses – Complete a total of 6 credits from the list below:

Major Elective Courses	Credits	Prerequisites and Corequisites
ARTS-192 Digital Animation	4	Corequisite: ARTS291
ET-375 Introduction to Robotics	4	Prereq: ET-110 and either ET-510 or ET-540 or permission
ET-481 Personal Computer Technology, Architecture & Troubleshooting	2	Prerequisite: ET-501 or ET-504 or permission of the Department
ET-570 Creating Smartphone Apps	3	None
ET-716 Java Programming Technology	4	Prerequisite: ET-712 and ET-710
ET-718 Database Technology	3	Prerequisite: ET-710
ET-720 Advanced Web and Multimedia Programming	1	Prerequisite: ET-710
ET-725 Computer Network Security	3	Corequisite: ET-704