

Recommended Course Sequence

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 degree during the calendar year, including fall and spring semesters and winter and summer sessions.

A.A.S. Degree in Internet and Information Technology - Catalog Year 2017-18

Fall Semester #1

Courses	Credits	Pre-requisites and co-requisites
ET-710 Web Technology I: Building and Maintaining Web Sites	3	None
ET-712 Web Client Programming: JavaScript	3	None
ET-504 Operating Systems and System Deployment	2	None
Flexible Core -Select one course, from 2. A, B., D., or E. - Social Sciences or History elective, ECON 101 or 102 highly recommended	3	Pre-req. for Social Sciences courses: BE 122/226 or passing score on CUNY placement, or exemption Pre-req. or co-req. for HIST courses: ENGL 101
ENGL 101 English Composition I (Required Core 1.A. – English Composition)	3	Pre-req.: BE 112/205 and 122/226 or passing score on CUNY placement, or exemption
Total credits for the term	14	

Spring Semester #1

Courses	Credits	Pre-requisites and co-requisites
MA-321 Mathematics in Contemporary Society * (or higher) (includes MA-114, MA-119, MA-440) (Required Core 1.B. Mathematical and Quantitative Reasoning)	3-4	Pre-req. for MA 321, MA 114, and MA 119: MA 10 or passing score on the CUNY math placement exam, or exemption Pre-req. for MA 440: MA 114 with C or better, or MA 119 & 121 with C or better
ET-704 Networking Fundamentals	4	none
ET-718 Database Technology	3	Pre-requisite: ET-710
ET Electives (8 credits total for the program): Select courses from ET-375 Introduction to Robotics, ET-481 Personal Computer Technology, Architecture and Troubleshooting, ET-506 Introduction to UNIX (LINUX), ET-540 Digital Computer Theory, ET-570 Creating Smartphone Apps, ET-580 Object Oriented Programming, ET-585 Computer Architecture, ET-714 Web Technologies II, ET-728 Web technology XML, ET-991 Cooperative Education, ET-992 Cooperative Education. The following ET electives are highly recommended: ET-570, ET-714 and ET-728	3	Check individual course pre- and co-requisites
ENGL 102 English Composition II (Required Core 1.A. – English Composition)	3	Pre-req.: ENGL-101 or placement
Total credits for the term	16-17	

Fall Semester #2

Courses	Credits	Pre-requisites and co-requisites
ET-716 Java Programming Technology	4	Pre-requisites: ET-710 and ET-712
ET 705 Networking Fundamentals II	4	Pre-requisite: ET-704
ET-720 Advanced Web & Multimedia Programming Applications	1	Pre-requisite: ET-710
ET Electives (8 credits total for the program): Select courses from ET-375 Introduction to Robotics, ET-481 Personal Computer Technology, Architecture and Troubleshooting, ET-506 Introduction to UNIX (LINUX), ET-540 Digital Computer Theory, ET-570 Creating Smartphone Apps, ET-580 Object Oriented Programming, ET-585 Computer Architecture, ET-714 Web Technologies II, ET-728 Web technology XML, ET-991 Cooperative Education, ET-992 Cooperative Education. The following ET electives are highly recommended: ET-570, ET-714 and ET-728	3	Check individual course pre- and co-requisites
Flexible Core -Select one course, from 2. A, B., D., or E.- Social Sciences or History elective, ECON 101 or 102 highly recommended	3	Check course pre- and co-requisites
Total credits for the term	15	

Spring Semester #2

Courses	Credits	Pre-requisites and co-requisites
ET 575 Introduction to C++ Programming Design and Implementation	3	Pre-req.: MA 321 or co-req.: MA 114, 119, or 440 (Suggested pre-requisite: ET-712)
ET 725 Computer Network Security	3	Pre-req.: ET 704 or permission of the department
ET Electives: (8 credits total for the program) Select courses from ET-375 Introduction to Robotics, ET-481 Personal Computer Technology, Architecture and Troubleshooting, ET-506 Introduction to UNIX (LINUX), ET-540 Digital Computer Theory, ET-570 Creating Smartphone Apps, ET-580 Object Oriented Programming, ET-585 Computer Architecture, ET-714 Web Technologies II, ET-728 Web technology XML, ET-991 Cooperative Education, ET-992 Cooperative Education. The following ET electives are highly recommended: ET-570, ET-714 and ET-728	2	Check individual course pre- and co-requisites
Flexible Core -Select one course, from 2. A, B., C., or D. - Humanities elective	3	Check course pre- and co-requisites
Required Core 1.C. Life & Physical Sciences – select course	3-4	Check course pre- and co-requisites
Lab Science: BI-132, BI-171; CH-102, CH-111, CH-122, ET-842, or PH-112 (Required if 1.C course selected is only 3 credits)	0-1	
Total credits for the term	15	
Total credits required for the A.A.S. in Internet and Information Technology	60	

Notes:

1. All students must complete two (2) WI designated classes to fulfill degree requirements.
2. Students in degree programs must complete any required remedial speech courses before graduation.
3. INDICATE IF ANY COURSES ARE OFFERED ONLY IN FALL OR SPRING SEMESTER
4. ET Electives - take a total of 8 credits from the following courses: ET-375 Introduction to Robotics, ET-481 Personal Computer Technology, Architecture and Troubleshooting, ET-506 Introduction to UNIX (LINUX), ET-540 Digital Computer Theory, ET-570 Creating Smartphone Apps, ET-580 Object Oriented Programming, ET-585 Computer Architecture, ET-714 Web Technologies II, ET-728 Web technology XML, ET-991 Cooperative Education, ET-992 Cooperative Education. The following ET electives are highly recommended: ET-570, ET-714 and ET-728.