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 Computer Engineering Technology - Catalog Year 2017-18

Fall Semester #1

Courses	Credits	Pre-requisites and co-requisites
MA 114 College Algebra & Trigonometry for Technical Students* (Required Core 1.B. Mathematical and Quantitative Reasoning)	4	Pre-req.: MA 10 or passing score on the CUNY math placement exam, or exemption Pre-req. for MA 440: MA 114 or MA 119 & 121 with C or better
ET 110 Electric Circuit Analysis	4	Co-req.: MA 114
ET 540 Digital Computer Theory	4	none
TECH 100 Introduction to Engineering and Technology	1	none
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	**16**	

Spring Semester #1

Courses	Credits	Pre-requisites and co-requisites
MA 128 Calculus for Technical and Business students*	4	Pre-req.: MA 114 with grade of C or better Pre-req. for MA 441: MA 440 with C or better
ET 210 Electronics I	4	Pre-req.: ET 110 with grade of C or better
ET 509 Programming for Embedded Systems	1	Pre-req.: TECH 100
ET 704 Networking Fundamentals I	4	None
ENGL 102 English Composition II (Required Core 1.A. – English Composition)	3	Pre-req.: ENGL 101 or placement
Total credits for the term	**16**	

Fall Semester #2

Courses	Credits	Pre-requisites and co-requisites
ET 502 Introduction to Computer Programming	1	None
ET 504 Operating Systems and System Deployment	2	None
ET 560 Microprocessors and Microcomputers	4	Pre-req.: ET 210, 509, and 540
ET Elective: Choose from: ET 140, 220, 230, 231, 232, 305, 360, 375, 481, 490, 503, 506, 570, 580, 585, 701, 705, 706, 707, 710, 712. 725, 841, 842, 880, 991, 992 or 993.	2	Check individual courses for pre and co-requisites
PH-201 General Physics I ** (Required Core 1.C. Life & Physical Sciences)	4	Pre-req.: MA 114 or 119 and 121
Flexible Core -Select one Social Sciences or History course from 2. A, B, D or E (HIST 100 series, ANTH, CRIM101 or 102, ECON, PLSC, PSYC, OR SOCY)	3	Check individual course pre- and co-requisites
Total credits for the term	**16**	

Spring Semester #2

Courses	Credits	Pre-requisites and co-requisites
ET 575 Introduction to C++ Programming Design & Implementation	3	Co-req.: MA 114, 119, or 440
ET 350 Computer Control Systems	4	Co-requisite: ET 560
ET 420 Computer Project Laboratory	1	Pre-req.: ET 560
ET 542 Computer and Electrical Device Applications	1	Pre-req.: ET 540
PH-202 General Physics II** (Flexible Core 2.E Scientific World)	4	Pre-req.: PH 201 with grade of C or better
Flexible Core -Select one Social Sciences or History course from 2. A., B, D or E (HIST ONLY 100 series, ANTH, CRIM 101 or 102, ECON, PLSC, PSYC, OR SOCY)	3	Check pre-requisites and co-requisites for individual courses
Total credits for the term	**16**	
Total credits required for the A.A.S. in Computer Engineering Technology	**64**	

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. *Students may substitute MA 440 and MA 441 for MA 114 and MA 128.
4. **PH 301 and PH 302 or PH 411, 412 and 413 may be substituted for PH 201 and PH 202.
5. INDICATE IF ANY COURSES ARE OFFERED ONLY IN FALL OR SPRING SEMESTERS