

BS General Electronics

Suffolk County

AAS Electrical Technology
Course Number and Title

Major Courses

ELT 112 Electricity I
ELT 224 Electricity II
ELT 222 Electronics I
ELT 227 Electrical Construction
ELT 113 Digital Electronics 1
ELT 228 Digital Elec 2
ELT 238 Digital Elec 3

ELT 241 Analogue Communication
ELT 151 Computer Networking

Math and Science

PHY 101 College Physics 1
MAT 124 & 125 Pre-calculus
Calculus 1**

English and Social Sciences

ENG 101 Standard Freshman Composition
English Elective
COM 101 Intro to Human Communication
SS Elective
Technical Writing

Vaughn College

BSET General Electronics
Course Number and Title

EET-115 Electrical Circuits 1
EET-116 Electrical Circuits 2
EET-220 Electronic Circuits
EET-210 Electronic Lab Practices
EET-125 Digital Electronics
EET-326 Microprocessors

EET-230 Principles of Communication
Systems
EET-445 Principals of Comm Networks
FYE 101 Freshman Year Initiatives

PHY-120 Physics 1
MAT115 Pre-calculus
MAT-120 Calculus 1

ENG-110 English 1
ENG-120 English 2
Gen Ed L/A Elective
HIS-141 Global Civilization
ENG-240 Technical Writing
Total Credits

Credits

3
3
3
2
3
3

3
3
3

4
4
4

3
3
3
3
3
3
53

** Additional Course to be taken at Suffolk or Vaughn College prior to the 5th semester

***Additional Courses to be taken at Suffolk or Vaughn College prior to graduation

Suggested course sequence for Suffolk Students after transferring to Vaughn College

SEMESTER V

CDE 117 Eng Graphics with CAD	1	1	2
EET345 Computer Control of Instruments (Lab View Programming)	2	1	3
MAT220 Calc 2	3	0	3
AVT240 Aircraft Pulse Circuits	2	1	3
EET355 Advanced Microprocessors	3	0	3
PHY220 College Physics 2	3	1	4
CD101 Career Development Seminar	0	0	0
Semester total	14	4	18

SEMESTER VI

CDE385 CATIA Fundamentals	1	1	2
EET350 Control Systems	2	1	3
MAT445 Differential Equations	3	0	3
EGR460 Engineering Economics	3	0	3
EGR235 Mat. Science & Composites	3	0	3
PHY335 Physics 3	3	0	3
Semester total	15	2	17

SEMESTER VII

HUM472 Practical Ethics	3	0	3
ENG220 American Literature	3	0	3
EGR380 Eng Project Management	3	0	3
POL254 American Government	3	0	3
CDE386 CATIA for wiring and harnessing	2	1	3
Science Elective	3	0	3
Semester total	18	0	18

SEMESTER VIII

ENG290 Public Speaking	3	0	3
EET475 Reliability and Maintainability	3	0	3
ENG 210 World Literature	3	0	3
EET409 Internship/Project	3	0	3
MAT 410 Linear Algebra	3	0	3
Technical Elective	3	0	3
Semester total	18	0	18