

**ADVISING ROADMAP TO COMPLETE THE
BSET option in Technology and Engineering Education DEGREE (ET__BS15) IN FIVE YEAR
120 UNITS REQUIRED Computer Engineering & Computer Science**

Semester 1

Course	Units
University 100	1
CECS 110 Intro to the Internet	3
MAE 101 Intro to Aerospace Engrg	1
MATH 122 Calc I (GE B2)	4
Composition or Oral Communication	3
TOTAL UNITS	12

Semester 2

Course	Units
CECS 200 Intro to Web Design	3
MAE 172 Engrng Design Graphics	3
Oral Communication or Composition	3
General Education	3
TOTAL UNITS	12

Semester 3

Course	Units
CECS 101 The Digital Info Age	3
CECS 174 Prog & Prob Solvng I	3
PHYS 100A General Phys (GE B1.b)	4
Critical Thinking	3
TOTAL UNITS	13

Semester 4

Course	Units
CECS 274 Prog & Prob Slvng II	3
ENGR 310 Bus Comm in Engrg Prof	3
PHYS 100B General Phys	4
MAE 272 Intro to Manufacturing Proc	2
TOTAL UNITS	12

Semester 5

Course	Units
CECS 261 Computing w/Java	3
ENGR 304 Engrg Prob Solv & Dsgn	3
ENGR340 Guitar Electronics (GE B3 Capstone)	3
General Education	3
TOTAL UNITS	12

Semester 6

Course	Units
CECS310E Comp Based Lrng Rsrc	3
ENGR375I Total Quality (GE E, Capstone))	3
General Education	3
General Education	3
TOTAL UNITS	12

Semester 7

Course	Units
ENGR370I Ast and Space (GE Capstone)	3
ENGR391 Engrng and Civilization	3
ET 307 Industrial Safety	2
GE Capstone course	3
TOTAL UNITS	11

Semester 8

Course	Units
ET 410 Cost Engrng & Analysis	3
Approved Elective	3
General Education	3
General Education	3
TOTAL UNITS	12

Semester 9

Course	Units
CECS401E Prog Robots	3
ENGR400 Engineering for Teachers	3
Approved Elective	3
General Education	3
TOTAL UNITS	12

Semester 10

Course	Units
CECS 410E Comp & Networks	3
General Education	3
General Education	3
Approved Elective	3
TOTAL UNITS	12