

Associate of Applied Science Degree (A.A.S.)

School of Technology and Public Management

Location: SSG Glenn H. English, Jr., Army Education Center
Bldg. 202 – Room 138, Fort Campbell, KY
Phone: 931-221-1437
Website: <http://www.apsu.edu/apfc/degrees/ComputerScience.htm>

ENGINEERING TECHNOLOGY

AUTOMOTIVE ENGINEERING TECHNOLOGY CONCENTRATION (AET) (64-65 Hours)

	Credit Hours
Specific General Education Requirement	19-20
COMM 1010 Fundamental of Public Speaking	3
ENGL 1010 English Composition	3
OR	
MATH 1010 Mathematical Thought and Practice	3
Humanities (See Bulletin)	3
PHYS 1010 Understanding the Physical World I	4
OR	
PHYS 2010/2011 College Physics	5
Social Sciences (See Bulletin)	3
Engineering Technology Core	9
ENGT 1000 Introduction to Engineering Technology	3
ENGT 1020 Computer Aid Design	3
ENGT 1200 Applied Math	3
Lower Division Major Requirements	24
AET 1010 Introduction to Automotive Engineering and Repair Technology	3
AET 1310 Automobile Engines	3
AET 1360 Automotive Power Train Systems	3
AET 1410 Automotive Braking, Chassis, Suspension, and Steering Systems	3
AET 1460 Automotive Electrical and HVAC Systems	3
AET 2310 Automotive Electronic Systems	3
AET 2550 Computerization and Systems Monitoring	3
AET 2630 Introduction to Hybrid Vehicles	3
Students must select the specialization in Automotive Engineering or Automotive Service	12
I Automotive Engineering Technology Specialization	
<i>Select four courses from:</i>	
ENGT 1400 Applied Calculus for Engineering Technology	3

ENGT 2000	Manufacturing Processes	3
ENGT 2020	Robotics Fundamentals	3
ENGT 2730	Introduction to Solid Modeling	3
ENGT 2010/EET 1030 or ENGT 2030/EET 1040	D.C. Fundamentals and Circuits A.C. Fundamentals and Circuits	3 3

II Automotive Service Specialization

AET 2250	Engine Rebuilding	3
AET 2570	Advanced Engine Performance	3
AET 2590	Advanced Automotive Transmissions	3
AET 2600	Production Mechanics	3
Total Credit Hours		64-65

CONSTRUCTION ENGINEERING TECHNOLOGY CONCENTRATION (CCET) (64 Hours)

	Credit Hours
Specific General Education Requirements	19-20
COMM 1010	Fundamental of Public Speaking 3
ENGL 1010	English Composition 3
MATH 1530	Elements of Statistics 3
OR	
MATH 1010	Mathematical Thought and Practice 3
Humanities	(See Bulletin) 3
PHYS 1010	Understanding the Physical World I 4
OR	
PHYS 2010/2011	College Physics 5
Social Sciences	(See Bulletin) 3
Engineering Technology Core	9
ENGT 1000	Introduction to Engineering Technology 3
ENGT 1020	Computer Aid Design 3
ENGT 1200	Applied Math 3
Lower Division Requirements	24
CCET 1210	Construction Surveying 3
CCET 2340	Wood Structure 3
CCET 2840	Construction Codes 3
CCET 2500	Construction Materials 3
CCET 2520	Construction Estimating 3
CCET 2600	Construction Safety 3
CCET 2830	Water and Sewer System 3
CCET 2530	General Contracting 3

Students must select the specialization in Construction Technology or Construction Service 12

I Construction Engineering Technology Specialization

CCET 2540	Jobsite Management	3
CCET 2710	Construction Planning and Scheduling	3
CCET 2720	Architecture CAD	3

ENGT Elective

Select one course below:

ENGT 1400	Applied Calculus for Engineering Technology	3
ENGT 2000	Manufacturing Processes	3
ENGT 2020	Robotics Fundamentals	3
ENGT 2730	Introduction to Solid Modeling	3

II Construction Service Specialization

CCET 1320	Construction Drawing	3
CCET 1430	Residential Print Reading	3
CCET 1680	Applied Electricity	3
CCET 2440	Residential Mechanical	3
Total Credit Hours		64-65

ELECTRONICS ENGINEERING TECHNOLOGY CONCENTRATION (EET) (64 Hours)**Specific General Education Requirement** **Credit Hours**
19-20

COMM 1010	Fundamental of Public Speaking	3
ENGL 1010	English Composition	3
MATH 1530	Elements of Statistics	4
OR		
MATH 1010	Mathematical Thought and Practice	3
Humanities	(See Bulletin)	3
PHYS 1030	Understanding the Physical World II	4
OR		
PHYS 2020/2021	College Physics	5
Social Sciences	(See Bulletin)	3

Engineering Technology Core **9**

ENGT 1000	Introduction to Engineering Technology	3
ENGT 1020	Computer Aid Design	3
ENGT 1200	Applied Math	3

Lower Division Major Requirements **24**

ENGT 1400/EET 1150	Applied Calculus	3
EET 1030	D.C. Fundamentals and Circuits	3
EET 1040	A.C. Fundamentals and Circuits	3
EET 1230	Electronic Fundamentals and Circuits I	3
EET 1240	Electronic Fundamentals and Circuits II	3
EET 2030	Digital Electronic Circuits I	3
EET 2040	Digital Electronic Circuits II	3
EET 2320	Microprocessor Circuit Construction	3

Students must select the specialization in Electronic Communications or Computer Technology **12****I Electronics Communication Specialization**

EET 2140	Communications Circuits I	3
EET 2150	Communications Circuits II	3
EET 2330	Electronics Project	3
ENGT 2020	Robotics Fundamentals	3

II Electronics Computer Technology Specialization

EET 2410	Digital Communications	3
EET 2420	Introduction to Computer Architecture	3
EET 2430	Introduction to Operating Systems	3
EET 2440	Introduction to Programmable Controllers	3
Total Credit Hours		64-65