Category III

Associate of Applied Science Electronic Systems Technology (4VHP)

BS Electronic Systems Engineering Technology Electronic Systems Engineering Technology concentration

The Bachelor of Science in Electronic Systems Engineering Technology requires completion of 124 credits. The Program Guide below outlines how courses completed in the Associate of Applied Science in Electronic Systems Technology program through the Community College of the Air Force may apply to required ECPI courses. ECPI University must receive official transcripts directly from Air University before Official credit may be awarded. ECPI University will review all credits earned through the Community College of the Air Force (CCAF) to apply the greatest possible number of credits to one of our approved AU-ABC bachelor's degrees. As a Category III institution, ECPI will require CCAF AAS graduates to complete more than 60 semester hours of credit beyond the AAS and meet all other AU-ABC degree program requirements. Credit is awarded for courses completed within the last ten years that meet the required credit amount for the corresponding ECPI course listed. General education coursework applied to the earned AAS degree may be eligible to transfer without a time limitation and must meet all other ECPI transfer eligibility criteria to be awarded. ECPI University must receive official transcripts directly from the institution where the general education coursework was completed before Official credit may be awarded. This information is provided as a guide, an official course-by-course evaluation of specific transfer credit will be completed at the applicant's campus location at the time of enrollment.

Arts and Sciences Curriculum (37 Credits Required)

ECPI Degree Requirements		Required Semester Credits	Arts and Sciences Credits**	ECPI University Credits
		37	**12-15**	**22-25**
ENG110	College Composition	3	3	
ENG120	Advanced Composition	3		3
COM115	Principles of Communication	3	3	
MTH131	College Algebra	3	3*	
MTH200	Pre-calculus	3		3
MTH220	Applied Calculus I	3		3
MTH320	Applied Calculus II	3		3
PHY120	Physics	3		3
PHY120L	Physics Lab	1		1
PSY105	Introduction to Psychology	3		3
ECO201	Macroeconomics	3	3	
HUM205	Culture and Diversity: Exploring the Humanities	3	3	
CAP480	Arts and Sciences Capstone	3		3

*Must be College Algebra (3 credits) or higher level math to receive transfer

**Arts and Sciences coursework applied to the earned AAS degree must meet all other ECPI transfer eligibility criteria to be awarded. ECPI University must receive official transcripts directly from the institution where the arts and sciences coursework was completed before Official credit may be awarded.

Self-Integration (10 Credits Required)

ECPI Degree Requirements		Required Semester Credits	CCAF Credits	ECPI University Credits
		10	**0**	**10**
FOR110	Essentials for Success	3		3
CST120	Computer Configuration I	3		3
ET102	Engineering Math & Software Applications	3		3
COR191	Career Orientation	1		1

Core Curriculum (52 Credits Required)

ECPI Degree Requirements		Required Semester Credits	CCAF Credits***	ECPI University Credits
		52	**16**	**36**
SDC100	Introduction to Programming	3		3
CST160	Introduction to Networking	3	3	
EET110	Electric Circuits I	3	3	
ESET111	Electric Circuits II	3	3	
ESET111L	Electric Circuits Lab	1	1	
EET120	Semiconductor Devices	3	3	
EET121	Electronic Systems Applications	3		3
EET130	Digital Systems I	3	3	
EET207	Applied Engineering Programming	3		3
EET220	Industrial Applications	3		3
EET221L	Instrumentation and Measurement LAB	1		1
EET230	Digital Systems II	3		3
EET230L	Digital Systems LAB	1		1
EET231	Introduction to Programmable Logic Controllers	3		3

	Introduction to Programmable Logic			
EET231L	Controllers LAB	1		1
EET310	Circuit Analysis	3		3
EET331	Programmable Controllers and Robotics	3		3
EET331L	Programmable Controllers and Robotics LAB	1		1
EET390 OR	Motor Drives OR			
EET430	Microcontrollers	3		3
EET390L OR	Motor Drives LAB OR			
EET430L	Microcontrollers LAB	1		1
EET411	Senior Project	3		3
EET411L	Senior Project LAB	1		1

Concentration Requirements (16 Credits Required)

ECPI Degree Requirements		Required Semester Credits	CCAF Credits	ECPI University Credits
		16	**3**	**13**
CYB200	Network Protocols and Services	3	3	
EET320	Semiconductor Processing	3		3
EET333	Robotics Programming & Machine Learning	3		3
EET333L	Robotics Programming & Machine Learning LAB	1		1
EET380	Digital Communications I	3		3
ESET280	Introduction to Communications Systems	3		3

Electives (9 Credits Required)

ECPI Degree Requirements		Required Semester Credits	CCAF Credits***	ECPI University Credits
		9	**0-9**	**0-9**
BUSELE	Elective	6	6	
EETELE	Elective	3	3	

Total Credits Required	Potential CCAF Tranfer Credits ***	ECPI University Credits
124	**31 - 43**	**81 - 93**

***The number of credits eligible to transfer as Core and Elective Courses at ECPI may vary depending on which courses and credits were taken as part of the applicant's CCAF AAS Technical Core and Electives. This information is provided as a guide, an official course-by-course evaluation of specific transfer credit will be completed at the applicant's campus location at the time of enrollment.