



CCAF Associates (Electronic Systems Technology, Biomedical Equipment Technology, Mechanical & Electrical Technology, Avionic Systems Technology, and Air & Space Operations Technology)

TO

**ECPI Bachelors Program
Bachelor of Science in Electronics Engineering Technology
Concentration in Electronic Engineering Technology**

I. Arts and Science (31 SH Required)

ECPI Courses			CCAF Courses		
Course Number	Course/Topic Name	SH Credits Needed	Course Number	Course/Topic Name	SH Credits
Communication (9 SH)					
COM110	Principles of Speech	3			
ENG110	English Composition	3			
ENG120	Advanced Composition	3			
Mathematics (6 SH)					
MTH131	College Algebra or higher	3			
MTH140	Statistics	3			
MTH200	Pre-Calculus	3			
Natural Sciences (4SH)					
BIO122	Environmental Biology	3			
BIO122L	Environmental Biology Lab	1			
PHY120	Physics	3			
PHY120L	Physics Lab	1			
Humanities/Fine Arts (3SH)					
ENG200	Major Writers in World Literature	3			
ENG210	Critical Thinking	3			
HUM205	Culture and Diversity	3			
SPN100	Spanish I	3			
SPN110	Spanish II	3			
Social and Behavioral Sciences (6SH)					
ECO201	Macroeconomics	3			
ECO202	Microeconomics	3			
HIS150	History of the Modern World	3			
POL160	21 st Century Political Institutions	3			
PSY105	Introduction to Psychology	3			
PSY220	Positive Psychology	3			
SOC100	Introduction to Sociology	3			
SOC105	Global Social Issues	3			
Capstone (3SH)					
ACT090	CAAP*	0			
CAP480	Arts & Science Capstone	3			
Total A/S credits		31			

II. Self-Integration (3 SH)

ECPI Courses			CCAF Courses		
Course Number	Course/Topic Name	SH Credits Needed	Course Number	Course/Topic Name	SH Credits
FOR112	College Orientation (3)				
COR090	Career Orientation Seminar (0)				

III. Core Electronics Technology Requirements (32 SH)

ECPI Courses			CCAF Courses		
Course Number	Course/Topic Name	SH Credits Needed	Course Number	Course/Topic Name	SH Credits
CIS106	Computer Operating Systems	3			
CIS150	Introduction to Networking	3			
CIS151	Networking II	3			
EET110	Electric Circuits I	3			
EET111	Electric Circuits II	3			
EET111L	Electric Circuits Lab	1			
EET120	Semiconductor Devices	3			
EET121	Electronic Systems Applications	3			
EET130	Digital Systems I	3			
EET230	Digital Systems II	3			
EET230L	Digital Systems Lab	1			
IST120	Computer Applications	3			
	Total ECPI credits	32			

IV. Computer Electronics Engineering Technology Courses (27SH)

ECPI Courses			CCAF Courses		
Course Number	Course/Topic Name	SH Credits Needed	Course Number	Course/Topic Name	SH Credits
EET221L	Instrumentation and Measurement Lab	1			
EET250	Computer Organization I	3			
EET251	Computer Organization II	3			
EET251L	Computer Organization II Lab	1			
EET252	Data Communications and Networking	3			
EET280	Introduction to Communication Systems	3			
EET282	Wireless Security	3			
EET310	Circuit Analysis	3			
EET380	Digital Communications I	3			
EET430	Microcontrollers	3			
EET430L	Microcontrollers Lab	1			
	Total ECPI credits	27			

V. Advanced Technical Courses (31 SH)

ECPI Courses			CCAF Courses		
Course Number	Course/Topic Name	SH Credits Needed	Course Number	Course/Topic Name	SH Credits

BUS102	Fundamentals of Customer Service or	3			
CIS102	Fundamentals of Customer Service	3			
BUS224	Change Management	3			
BUS224L	Change Management Lab	1			
BUS226	Managerial Processes & Communications	3			
BUS226L	Managerial Processes & Communications LAB	1			
BUS227	Operations Management	3			
BUS227L	Operations Management Lab	1			
BUS242	Technology Optimization	3			
BUS242L	Technology Optimization Lab	1			
BUS314	Marketing Management	3			
CIS102	Fundamentals of Customer Service	3			
CIS121	Logic and Design	3			
CIS202	Network Routing	3			
CIS204	Network Switching	3			
CIS207	Routing & Switching Lab	1			
CIS212	Network Security Concepts	3			
CIS245	Windows Client and Server	3			
CIS251	Advanced Windows Server	3			
CIS282	Web Interface Design	3			
CIS301	UNIX Administration	3			
CIS305	Advanced UNIX Administration	3			
CIS305L	Advanced UNIX Administration Lab	1			
EET100	Introduction to Engineering Technology	3			
EET200	Internship	3			
EET272	Fiber Optics Communication	3			
EET272L	Fiber Optics Communication Lab	1			
EET273	Fiber Optic Technology	3			
EET274	Fiber Optic Design	3			
EET284	Emerging Wireless Technologies	3			
EET285	CWNA Certification Seminar	3			
EET285L	CWNA Certification Seminar Lab	1			
EET290	Data Cabling Seminar	3			
EET291	Home Automation	3			
EET300	Engineering Technology Project Management	3			
EET301	Special Topics in Engineering Technology	3			
EET302	Senior Externship I	3			
EET331	Programmable Controllers and Robotics	3			
EET331L	Programmable Controllers and Robotics Lab	1			
EET400	Cooperative Education I	3			
EET402	Capstone Project	3			
EET411	Senior Project	3			
EET411L	Senior Project Lab	1			
	General Electives	0			
	Total Credits	31			
	Total Required Core Credits	93			

General Electives are all other courses taken or attempted that do not apply toward any other requirements.

Total hours required to complete B.S. degree is 124.

Minimum hours transferred in from CCAF A.S. degree is 61; the maximum number of transfer credits is 80.

Maximum remaining hours to complete B.S. degree is 63.

Section I. CCAF students who have an A.A.S. in Electronic Systems Technology, Mechanical & Electrical Technology, Avionic Systems Technology, and Air & Space Operations Technology may transfer in a maximum of 31 semester credit hours.

Section II. CCAF students will not be required to take FOR112; however, they will need to take COR090.

Section III and IV. CCAF students may transfer in a maximum of 27 credits for these sections.

Section V. The maximum number of credits permitted in this section depends upon the total credits transferred from Sections I, III and IV. For the entire degree program, a student may transfer in up to 80 total credits (to include any combination of CCAF, CLEP, AP, and other institutions).