

Electrical Engineering Technology - Electronics Systems Major (ESET)

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Graduates of the Electrical Engineering Technology - Electronics Systems Major are prepared to pursue careers in diverse engineering-related fields such as computer design and repair, digital systems, microcomputer systems, microelectronics, and telecommunications.

Graduates earn an Associate of Applied Science degree. The curriculum also provides an effective foundation for transfer into a related bachelor's degree program.

For more information, please contact the Center for Innovative Technologies at (513) 569-1743.

To apply for this program at Cincinnati State, visit our Admissions Page (<http://www.cincinnati.edu/academics/admission>)

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Semester 1		Lec	Lab	Credits
EET 131	Circuit Analysis 1 (B)	3	2	4
ENG 101	English Composition 1 (G)	3	0	3
FYE 1XX	First Year Experience (B)	1	0	1
MAT XXX	Mathematics Elective 1 (G)	3	2	4
Semester 2				
EET 121	Digital Systems 1 (T)	2	3	3
EET 132	Circuit Analysis 2 (T)	3	2	4
CIT 190	Career Preparation: Engineering and Information Technologies (B)	1	0	1
MAT XXX	Mathematics Elective 2 (B)	3	2	4
Semester 3				
EET 291	Full-Time Cooperative Education 1: Electronics Engineering Technology (T)	1	40	2
NETC 121	Network Communications 1 (B)	2	2	3
PHY XXX	Physics Elective (G)	3	2	4
Semester 4				

EET 122	Digital Systems 2 (T)	2	3	3
ESET 251	Electronics (T)	3	3	4
IT 101	.NET Programming 1 (B)	2	3	3
ENG 10X	English Elective (G)	3	0	3
Semester 5				
ESET 290	Electronic Systems Engineering Technology Capstone Project (T)	2	4	4
ESET 220	Microprocessor Systems (T)	3	3	4
EMET XXX	Electro-Mechanical Engineering Technology Elective (T)	2	3	3
EET XXX	Electrical Engineering Technology Elective 1 (T)	2	3	3
Semester 6				
EET XXX	Electrical Engineering Technology Elective 2 (T)	1	40	2
ECO 1XX	Economics Elective (G)	3	0	3
Total Credits:		48	117	65

Electives

First Year Experience Elective

FYE 100	College Survival Skills	1
FYE 105	College Success Strategies	2
FYE 110	Community College Experience	3

Mathematics Elective

Take one of the following series:

MAT 125 Algebra and Trigonometry
& MAT 126 and Functions and Calculus

Or

MAT 251 Calculus 1
& MAT 252 and Calculus 2

Physics Elective

PHY 151	Physics 1: Algebra and Trigonometry-Based	4
PHY 201	Physics 1: Calculus-Based	5

English Composition Elective

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

Electro-Mechanical Engineering Technology Elective

EMET 240	Programmable Logic Controllers, Motors, Motor Controls, and Kinematics	3
EMET 245	Laser 1	3
EMET 270	Robotics and Servomechanisms	4
Electrical Engineering Technology Electives		5
Any EET (2XX level)		
or, Any ESET (2XX level)		
or, Any PSET		
or, Any EMET not used to fulfill the Electro-Mechanical Engineering Technology Elective		
Economics Elective		
ECO 105	Principles of Microeconomics	3
ECO 110	Principles of Macroeconomics	3

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Faculty

Program Chair

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Co-op Coordinator

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