

# ELECTRICAL ENGINEERING TECHNOLOGY A.A.S. DEGREE

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#### www.clcillinois.edu/programs/eet

## A.A.S. PROGRAM OVERVIEW

**Engineering, Math and Physical Sciences** Division, Room T302, (847) 543-2044

#### Degree: Associate in Applied Science, **Electrical Engineering Technology** Plan 24ED

Students are prepared to work in electrical or electronic research, electronic layout, instrumentation, design, field service, communication and service laboratories, as an electrical or electronics engineering technician, installer and repairer, or maintenance. The degree also prepares students for telecommunications, biomedical, broadcast and sound engineering.

To complete an A.A.S., students are strongly encouraged to meet with a Student Development Counselor or advisor to identify coursework that will meet degree requirements.

FIRST SEM	ESTER	15-17
EET 170	DC Circuit Fundamentals	2
EET 115	Electronic Laboratory	
	Techniques	2
EET 174	AC Fundamentals	2
MTH 123	Trigonometry <b>or</b>	
MTH 144	Precalculus	3-5
ENG 120	Technical Composition I	3
SOC 121	Introduction to Sociology	3
SECOND SE	MESTER	16
EET 176	Circuit Analysis and	
	Network Theorems	4
EET 223	Introduction to Digital	
	Electronics	4

Fundamentals of Speech

General Physics I

CMM 121

PHY 121

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EET 113	Solid State Electronics	4
EET 230	Electrical Machinery	3
MTH 145	Calculus and Analytic	
	Geometry I	5
PHI 122	Logic	3
PSY 122	Industrial/Organizational	
	Psychology	3
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FOURTH SE	MESTER 1	7-19
EET 211	Advanced Solid State	
	Electronics	4
EET 216	Microprocessors I	4
ECO 221	Principles of	
	Macroeconomics <b>or</b>	
ECO 222	Principles of Microeconomic	s 3
	Approved Technical	
	Flectives	6-8
	Electives	00
TECHNICAL	. ELECTIVES	6-8
TECHNICAL MTH 146	ELECTIVES Calculus and Analytic	6-8
TECHNICAL MTH 146	<b>ELECTIVES</b> Calculus and Analytic Geometry II	<b>6-8</b>
TECHNICAL MTH 146 EET 212	ELECTIVES Calculus and Analytic Geometry II Electronic Communications	<b>6-8</b> 4
TECHNICAL MTH 146 EET 212	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems	<b>6-8</b> 4
TECHNICAL MTH 146 EET 212 EET 130	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable	<b>6-8</b> 4 3
TECHNICAL MTH 146 EET 212 EET 130	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources	<b>6-8</b> 4 3
TECHNICAL MTH 146 EET 212 EET 130 EIT 210	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network	<b>6-8</b> 4 3 4
TECHNICAL MTH 146 EET 212 EET 130 EIT 210	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication	<b>6-8</b> 4 3 4 4
TECHNICAL MTH 146 EET 212 EET 130 EIT 210 ELC 171	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication Programmable Logic	<b>6-8</b> 4 3 4 4
TECHNICAL MTH 146 EET 212 EET 130 EIT 210 ELC 171	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication Programmable Logic Controllers	<b>6-8</b> 4 3 4 4 3
TECHNICAL MTH 146 EET 212 EET 130 EIT 210 ELC 171 ELC 271	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication Programmable Logic Controllers Advanced Programmable	<b>6-8</b> 4 3 4 4 3 3
TECHNICAL MTH 146 EET 212 EET 130 EIT 210 ELC 171 ELC 271	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication Programmable Logic Controllers Advanced Programmable Controls	<b>6-8</b> 4 3 4 4 3 3 3
TECHNICAL MTH 146 EET 212 EET 130 EIT 210 ELC 171 ELC 271 MTH 122	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication Programmable Logic Controllers Advanced Programmable Controls College Algebra	<b>6-8</b> 4 3 4 4 3 3 5
TECHNICAL MTH 146 EET 212 EET 130 EIT 210 ELC 171 ELC 271 MTH 122	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication Programmable Logic Controllers Advanced Programmable Controls College Algebra Departmentally Approved	<b>6-8</b> 4 3 4 3 3 5
TECHNICAL MTH 146 EET 212 EET 130 EIT 210 ELC 171 ELC 271 MTH 122	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication Programmable Logic Controllers Advanced Programmable Controls College Algebra Departmentally Approved Elective	<b>6-8</b> 4 3 4 3 3 5 3-5
TECHNICAL MTH 146 EET 212 EET 130 EIT 210 ELC 171 ELC 271 MTH 122	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication Programmable Logic Controllers Advanced Programmable Controls College Algebra Departmentally Approved Elective	<b>6-8</b> 4 3 4 4 3 3 5 3-5
TECHNICAL MTH 146 EET 212 EET 130 EIT 210 ELC 171 ELC 271 MTH 122	ELECTIVES Calculus and Analytic Geometry II Electronic Communications Systems Introduction to Renewable Energy Sources Data and Network Communication Programmable Logic Controllers Advanced Programmable Controls College Algebra Departmentally Approved Elective	<ul> <li>6-8</li> <li>4</li> <li>3</li> <li>4</li> <li>3</li> <li>5</li> <li>3-5</li> <li>6-70</li> </ul>

### WHAT DOES AN EET DO?

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Electrical Engineering Technicians focus on implementation, application and applied design in an extremely broad range of electrical engineering sub-disciplines including electronics, embedded systems, control systems, instrumentation, telecommunications, and power systems. Graduates from EET work in a wide range of career fields including aerospace and avionics, biomedical, advanced manufacturing, automotive, telecommunications and tech companies, utilities, pharmaceutical and defense industries.

### **TYPICAL JOBS**

- Electronics Engineering Technician
- Electrical Engineering Technician
- Electronics Test Technician
- Failure Analysis Technician
- Field Engineer
- Electro-mechanical Technician
- Electrical/Electronics Engineer

#### **GETTING STARTED**

For steps on how to apply and register, visit www.clcillinois.edu/admission.

### **CONTACT INFO**

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