

# SAMPLE 4-YEAR PLAN: Electrical & ELECTRONICS ENGINEERING TECHNOLOGY B.S.

## Northern Kentucky University

This is **one way** a student can complete this program in four years if the student requires no remedial courses.

MAJOR: Electrical & Electronics Engineering Technology

FIRST YEAR	Fall Semester		Spring Semester	
	EGT 161 DC Circuit Analysis	3	EGT 245 Digital Electronics	3
EGT 212 Computer-Aided Drafting and Design	3	MAT 128 Calculus A	3	
ENG 101 College Writing <sup>1</sup>	3	EGT 267 Programming for Engineering Applications	3	
MAT 119 Pre-Calculus Mathematics	3	PHY 211 General Physics with Laboratory I	5	
CMST 101 Public Speaking	3	Electronics subspecialty/elective <sup>2</sup> Or EGT 291W Writing in Engineering Technology <sup>1</sup>	3	
	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>17</b>
SECOND YEAR	Fall Semester		Spring Semester	
	STA 205 Introduction to Statistical Methods	3	EGT 344 Analog Electronics <sup>4</sup>	3
EGT 243 AC Circuit Analysis <sup>3</sup>	3	EGT 310 Project Management and Problem Solving	3	
Electronics subspecialty / elective <sup>2</sup>	3	CHE 130 Eng. Chemistry I and CHE 130L Eng. Chemistry I Laboratory	4	
MAT 227 Calculus B	3	Electronics subspecialty/ elective <sup>2</sup>	3	
Gen Ed: Self and Society	3	Gen Ed: Self and Society or EGT 291W Writing in Engineering Technology <sup>1</sup>	3	
	<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>16</b>
SUMMER			EGT 280 Introduction to Microtechnology	<b>3</b>
THIRD YEAR	Fall Semester		Spring Semester	
	EGT 377 Power Electronics Systems	3	EGT 477 Advanced Power Systems	3
Gen Ed: Self and Society	3	EGT 404 Signals and Systems <sup>5</sup>	3	
EGT 317 Intro to Capstone Project	1	EGT 467 Advanced Microprocessors	3	
EGT 386 Electro-mechanical Instrumentation and Control	3	SOC 100 or PHI 200 Ethics related	3	
EGT 367 Microprocessors <sup>4</sup>	3	EGT 301 Cooperative Education in Engineering Technology	3	
Electronics subspecialty/ elective <sup>2</sup>	3			
	<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>15</b>
FOURTH YEAR	Fall Semester		Spring Semester	
	EGT 448 Network Hardware	3	Gen Ed: Culture and Creativity	3
PHY 213 General Physics with	5	EGT 404 Signals and Systems <sup>5</sup>	3	

	Laboratory II			
	Electronics subspecialty/ elective <sup>2</sup>	3	EGT 417 Senior Design in Technology	2
	Electronics subspecialty/ elective <sup>2</sup>	3	Electronics subspecialty/elective <sup>2</sup>	3
	Electronics subspecialty/ elective <sup>2</sup>	3	Gen Ed: Culture and Creativity	3
	<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>14</b>
<b>GRAND TOTAL OF CREDITS</b>				<b>129</b>

<sup>1</sup> Qualified students (ENG ACT ≥26) should take ENG 151 instead of ENG 101 and ENG 291.

<sup>2</sup> EET majors must select a track plus additional 3 courses from EGT Electives: EGT 211, EGT 261, EGT 318, EGT 320, EGT 321, EGT 341, EGT 362, EGT 405, EGT 411, or EGT 423.

<sup>3</sup> EGT 243 is offered spring of odd-numbered years, and is a prerequisite for EGT 404.

<sup>4</sup> EGT 344 is offered spring of odd-numbered years.

<sup>5</sup> EGT 404 is offered spring of odd-numbered years.

It is not possible in four years to fulfill all EET degree requirements without taking more than 16 credit hours in some semesters, due to accreditation requirements.

Note: Currently, due to increased enrollments, all required courses for the program are offered every year.