

Cleveland State University
Fenn College of Engineering
Bachelor of Electronic Engineering Technology

First Year

Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
ENG 101 College Writing	3		W/C	ENG 102 or ESC 102 Technical Writing	3		W/C
MTH 148 Math for Business Majors I	4	X	M/QL	ESC 151 C Programming	3	X	
EET 205 DC Circuits	3	X		EET 207 AC Circuits	3	X	
GET 255 Intro to Robotics & Auto Systems	4	X		ESC 120 Intro to Engineering Design	2	X	
ESC 100 New Student Orientation	1	X	INTRO	General Education Elective	3		SS
<i>Semester Total</i>	<i>15</i>			<i>Semester Total</i>	<i>14</i>		

Second Year

Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
EET 201 Fundamentals of Electronics	4	X		MTH 149 Math for Business Majors II	4	X	M/QL
CHM 261 General Chemistry I	4	X	NS	PHY 221 College Physics I	5	X	NS
CHM 266 General Chemistry I Lab	1	X	NS	EET 202 Fund of Digital Systems	4	X	
GET 285 Science of Alternative Energy	4	X		General Education Elective	3		DIV
<i>Semester Total</i>	<i>13</i>			<i>Semester Total</i>	<i>16</i>		

Third Year

Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
MTT 300 Applied Math	4	X		MTT 301 Adv Applied Math	4	X	
EET 315 Microprocessors & Digital Systems	3	X		EET 320 Embed Microprocessor Systems	3	X	
EET 316 Microprocessors & Digital Sys Lab	1	X		EET 321 Embed Microprocessor Sys Lab	1	X	
GET 310 Computer System Technology	3	X		EET 330 Advanced Circuit Analysis	3	X	
General Education Elective	3		A&H	General Education Elective	3		SS
General Education Elective	3		WAC	General Education Elective	3		WAC
<i>Semester Total</i>	<i>17</i>			<i>Semester Total</i>	<i>17</i>		

Fourth Year

Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed
EET 410 Power Electronic Systems	3	X		EET 440 Feedback Control Systems	3	X	
EET 411 Power Electronic Systems Lab	1	X		EET 441 Feedback Control Systems Lab	1	X	
EET 430 App of FPGA's and VHDL	3	X		GET 444 HMI Application for PLC's	3	X	
EET 415 Electronic Cir, Sig, & Sys	3	X		EET 480 Senior Design B	3	X	CAP
EET 416 Electronic Cir, Sig, & Sys Lab	1	X		Elective	3		
EET 460 Senior Design A	1	X	CAP	Elective	3		
General Education Elective	3		DIV				
General Education Elective	3		WAC				
<i>Semester Total</i>	<i>18</i>			<i>Semester Total</i>	<i>16</i>		

Degree Total: 126 hours

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency

College/ Program Notes:

**Two Core Elective/Lab sets should be selected from the following three areas: (Communications: EEC450/EEC451; Controls: EEC440/EEC441; or Power Electronics: EEC470/EEC471)

The plan above is a suggested guide to ensure that all General Education, College, University, and Major requirements are met within 4 years of study. Students may deviate from the suggested placement of Gen Ed courses, although the M/QL and W/C requirements should be completed during the first year of study.

*General Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a **minimum of 128 total credit hours**, of which a **minimum of 42 credit hours** must be upper division (300 or 400-level courses). Depending upon other elective choices made, students may not need as many general electives as indicated above, or may need additional electives.

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University Notes:

Gen Ed Key:		SS = Social Sciences Requirement (2 courses, one of which must be focused outside the US**)
INTRO = Introduction to University Life Requirement (one course)		A&H = Arts & Humanities Requirement (2 courses, one must be focused outside the US**)
W/C = Writing/Composition Requirement (two courses; C or better required)		DIV = Social Diversity Requirement (2 courses; one US Diversity and one African American Exp.)
M/QL = Mathematics/Quantitative Literacy Requirement (two courses)		WAC/SPAC = Writing/Speaking Across the Curriculum Requirement (3 courses, one in the major)
NS = Natural Sciences (two courses, one of which must have a lab)		CAP = Capstone Requirement
** of the SS and A&H courses focused outside the US, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)		

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