

Cleveland State University
Washkewicz College of Engineering
Bachelor of Science in Electronics Engineering Technology
NEW FALL 2014

First Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
ENG 101 Writing I	3		W/C	ESC 102 Tech. Writing & Prof. Comm.	3		W/C	
MTH 148 Math for Business Majors I	3	X	M/QL	PHY 221 College Physics I	5	X	NS	
EET 205 DC Circuits	3	X		EET 207 AC Circuits	3	X		
GET 255 Intro to Robotics & Auto Sys	3	X		ESC 120 Intro to Engineering Design	2	X		
ESC 100 Orientation (Not required of transfer students)	1		INTRO	Business Elective	3	X		
<i>Semester Total</i>	<i>13</i>			<i>Semester Total</i>	<i>16</i>			

Second Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EET 201 Fundamentals of Electronics	3	X		EET 202 Fund of Digital Systems	3	X		
CHM 261 General Chemistry I	3	X	NS	MTH 149 Math for Business Majors II	4	X	M/QL	
CHM 266 General Chemistry I Lab	1	X	NS Lab	ESC 151 C Programming or GET 315 Adv. Prog. Methods	3	X		
GET 285 Science of Alternative Energy	3	X		Communications Elective	3	X	WAC	
GET 240 Program Logic Controllers	3	X		General Education Elective	3		DIV-US	
Technical Elective	2	X						
<i>Semester Total</i>	<i>15</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	3	X		MTT 301 Advanced Applied Math	3	X		
EET 315 Microprocessors & Digital Sys	3	X		EET 320 Embed Microprocessor Sys	3	X		
EET 316 Microprocessors & Digital Sys Lab	1	X		EET 330 Advanced Circuit Analysis	3	X		
GET 310 Computer Systems Technology	3	X		PHL 215 Engineering Ethics	3	X	A&H WAC	
General Education Elective	3		A&H Non-US	General Education Elective	3		SS	
General Education Elective	3		SS					
<i>Semester Total</i>	<i>16</i>			<i>Semester Total</i>	<i>15</i>			

Fourth Year								
Fall Semester	Credits	Major	Gen Ed	Spring Semester	Credits	Major	Gen Ed	
EET 410 Power Electronic Systems	3	X		GET 444 HMI Applications for PLC's	3	X		
EET 411 Power Electronic Systems Lab	1	X		EET 430 App of FPGA's and VHDL	3	X		
EET 415 Electronic Cir, Sig & Sys	3	X		EET 440 Feedback Control Systems	3	X		
EET 416 Electronic Cir, Sig & Sys Lab	1	X		EET 441 Feedback Control Systems Lab	1	X	WAC	
EET 460 Senior Design A	1	X	CAP	EET 480 Senior Design B	3		CAP	
Technical Elective	2	X		Technical Elective	2			
General Education Elective	3		AA-DIV					
Apply for Spring graduation prior to Sep 9th								
<i>Semester Total</i>	<i>14</i>			<i>Semester Total</i>	<i>15</i>			
Degree Total: 120 hours minimum								

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

College/ Program Notes:

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.

University Notes:

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

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