

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> | 13 | | | <i>Semester Total</i> | 16 | | | |

| 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> | 15 | | | <i>Semester Total</i> | 16 | | | |

| 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> | 16 | | | <i>Semester Total</i> | 15 | | | |

| 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> | 14 | | | <i>Semester Total</i> | 15 | | | |
| 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:

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|---|--|
| 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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