

## General Education Plan for Electrical Engineering Program

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The new IPFW General Education Requirements for the Electrical Engineering program is provided below. The complete list of courses in each category can be found at the IPFW bulletin page: <http://bulletin.ipfw.edu/content.php?catoid=46&navoid=1280>

category	competency	course	credit hours
A	1	ENG W131 Elementary Composition	3
A	2	COM 114 Fundamentals of Speech	3
A	3	MA 165 Analytical Geometry and Calculus I MA 166 Analytical Geometry and Calculus II	4 4
B	4	CHM 115 General Chemistry I PHYS 152 Mechanics	4 5
B	5	select from the list of approved courses <b>(all Competency outcomes must be met)</b>	3
B	6	select from the list of approved courses <b>(all Competency outcomes must be met)</b>	3
B	7	PHYS 251 Heat, Electricity, and Optics	5
C	8	ECE 405 Senior Design I	3
<b>total credit hours =</b>			<b>37</b>

- 1) This plan satisfies the competency requirements and the credit hour requirement.
- 2) Adopting this plan reduces the number of required credit hours for the B.S. degree by six credit hours.
- 3) If a student selects a course from categories B5 or B6 that meets only some outcomes but not ALL, the student will be required to take another course from these categories that meet the remaining competency outcomes.

Revised: February 22, 2016

Effective: Fall 2017

Students must earn a grade of C- or better in each course used to satisfy the IPFW general education requirements.

\*All courses listed here will satisfy all General Education Outcomes for the Area listed. Check the Bulletin for additional courses & requirements

Area B5 Course Number and/or Title	Area B6 Continued	Area B7 Continued
ANTH E105 - Culture and Society	FINA H112 - History Of Art II	ENG W203 - Creative Writing
ANTH L200 - Language and Culture	FOLK F101 - Introduction to Folklore	FINA N108 - Introduction to Drawing for Non-majors
ANTH P200 - Intro to Prehistoric Archaeology	FOLK F111 - Introduction to World Folk Music	FINA P133 - Metalsmithing for Non-Majors
ANTH E445 - Medical Anthropology	GER E371 - Special Topics In Germanic Studies	FINA S165 - Ceramics for Non-majors
ANTH E470 - Psychological Anthropology	<b>HIST H105 - American History I</b>	FINA S239 - Painting for Non-majors
<b>COM 21200 - Study of Interpersonal Comm.</b>	HIST H106 - American History II	FNN 40300 - Advanced Nutrition
COM 25000 - Mass Communication and Society	HIST H113 - History of Western Civilization I	FREN F111 - Elementary French I
COM 30300 - Intercultural Communication	HIST H114 - History of Western Civilization II	FREN F112 - Elementary French II
CDFS 25500 - Intro to Couple & Family Relationships	HIST H201 - Russian Civilization I-II	GEOG G315 - Environmental Conservation
CSD 11500 - Intro to Communication Disorders	HIST H225 - Special Topics in History	GEOL G300 - Environmental and Urban Geology
ECON E101 - Survey of Economic Issues & Problems	HIST H232 - The World in the 20th Century	GEOL G305 - Geologic Fund. in Earth Science
<b>ECON E200 - Fundamentals of Economics</b>	HIST T225 - Topics in World History	GER G111 - Elementary German I
EDUC H340 - Education and American Culture	MUS Z101 - Music for the Listener	GER G112 - Elementary German II
GERN G231 - Introduction to Gerontology	MUS Z105 - Traditions in World Music	INTL I200 - Intro International Studies
<b>IET 10500 - Industrial Management</b>	MUS Z201 - History of Rock and Roll Music	INTR 33000 - Culture & Design
LING L103 - Intro to the Study of Language	<b>PHIL 11000 - Introduction to Philosophy</b>	JOUR J210 - Visual Communication
<b>OLS 25200 - Human Relations in Organizations</b>	PHIL 11009 - Introduction to Philosophical Topics	LGBT 20000 - Intro Scholarship in to LGBT Issues
OLS 26800 - Elements of Law	<b>PHIL 11100 - Ethics</b>	LING L360 - Language in Society
POLS Y100 - American Political Controversies	PHIL 11101 - Contemporary Moral Problems	MEST M201 - Medieval Encounters
POLS Y101 - Introduction to Political Science	PHIL 24000 - Social and Political Philosophy	MUS L153 - Introduction to Music Therapy
POLS Y103 - Introduction to American Politics	PHIL 30100 - History of Ancient Philosophy	MUS Z140 - Introduction to Musical Expression
POLS Y107 - Introduction to Comparative Politics	PHIL 30200 - History of Medieval Philosophy	NELC A100 - Elementary Arabic I
POLS Y109 - Introduction to International Relations	PHIL 30300 - History of Modern Philosophy	NELC A150 - Elementary Arabic II
POLS Y208 - Scandals and Conspiracy Theories	PHIL 30400 - 19th Century Philosophy	OLS 45400 - Gender and Diversity in Management
POLS Y212 - Making Democracy Work	PHIL 30500 - Philosophical Theories of Feminism	PACS P200 - Intro to Peace & Conflict Studies
POLS Y213 - Introduction to Public Policy	PHIL 31200 - Medical Ethics	PHIL 12000 - Critical Thinking
POLS Y252 - Sports and Public Policy	<b>PHIL 32700 - Environmental Ethics</b>	PHIL 15000 - Principles of Logic
POLS Y301 - Political Parties and Interest Groups	PHIL 32800 - Ethics and Animals	PHIL 27500 - The Philosophy of Art
POLS Y319 - The United States Congress	REL 23000 - Religions of the East	PHIL 32600 - Business Ethics
PPOL V170 - Introduction to Public Affairs	REL 23100 - Religions of the West	PHIL 35100 - Philosophy of Science
PSY 12000 - Elementary Psychology	REL 30100 - Islam	PHIL 35200 - History & Philosophy of Science
PSY 23500 - Child Psychology	SPAN S275 - Hispanic Culture and Conversation	PHIL 43500 - Philosophy of Mind
PSY 24000 - Introduction to Social Psychology	THTR 20100 - Theatre Appreciation	PHIL 46500 - Philosophy of Language
PSY 33500 - Stereotyping and Prejudice	WOST W225 - Gender, Sexuality, and Popular Culture	PHYS 13600 - Chaos and Fractals
PSY 35000 - Abnormal Psychology	<b>Area B7 Course Number and/or Title</b>	PHYS 25100 - Heat, Electricity and Optics
PSY 36900 - Development Across the Lifespan	ANTH B426 - Human Osteology	PHYS 30200 - Puzzles, Strategy Games, & Problem
SOC S161 - Principles of Sociology	ANTH P370 - Ancient Cultures of South America	POLS Y275 - Politics and Film
SOC S163 - Social Problems	ANTH P421 - Moche Archaeology Seminar	POLS Y285 - Science and Politics
SOC S317 - Social Stratification	ARET 12300 - Digital Graphics For Built Environment I	PPOL E162 - Environment and People
SOC S325 - Criminology	ARET 21000 - Architecture and Urban Form	PSY 42600 - Language Development
SOC S360 - Topics in Social Policy	ARET 22300 - Digital Graph. for Built Environ.t II	PSY 44400 - Human Sexual Behavior
WOST W210 - Introduction to Women's Studies	ARET 22500 - Creative House Design	REL 11200 - Religion and Culture
<b>Area B6 Course Number and/or Title</b>	ARET 31000 - Architecture & Urban Form	REL 30000 - Religions of the Ancient World
COM 21000 - Debating Public Issues	BUS W100 - Principles of Business Administrat.	SOC S109 - Community and the Built Environment
COM 24800 - Intro to Media Criticism and Analysis	CE 23600 - Transportation Policy, Planning, &	SOC S314 - Social Aspects of Health and Medicine
ENG L202 - Literary Interpretation	CS 11200 - Survey of Computer Science	SPAN S111 - Elementary Spanish I
ENG L250 - American Literature Before 1865	DANC 39000 - Introduction To Dance	SPAN S112 - Elementary Spanish II
ENG L251 - American Literature Since 1865	EALC J101 - Elementary Japanese I	SPAN S113 - Accelerated First Year Spanish
FILM K101 - Introduction to Film	EALC J102 - Elementary Japanese II	THTR 13400 - Fundamentals of Performance
FINA H101 - Art Appreciation	ENG R190 - Rhetorical Reading	THTR 32510 - History of Modern Drama
FINA H111 - History Of Art I: Prehistoric To Medieval	ENG W103 - Introductory Creative Writing	WOST W240 - Topics in Feminism

Source: 2017-2018 UG Bulletin