2018-2019
***EES**/GE*

Major: *Electrical and Computer Engineering* ***Program of Study:*** *Electrical Engineering*
Degree*: Bachelor of Science in Electrical and Computer Engineering (BSECE)*

Hrs. **128**

Name:_____ ID: _____ **New to OSU**:_____

email: _____@ osu.edu Phone number: _____ http://www.ece.osu.edu

CORE (76 HRS)

Bold courses are included in EPHR

	AU				SP	
Engr (Survey)	1100	1		***Engr (Fund. Of Engr II)***	1182	2
Engr (Fund. Of Engr I)	1181	2		***Math (Engr. Calculus II)***	1172	5
Math (Calculus I)	1151	5		***Chemistry for Engineers***	1250	4
Physics I	1250	5		***CSE (Programming C/C++)***	1222	3
Yr. 1						
Physics II	1251	5		Math (Ord&Part Diff Eqns)	2415	3
Math (Linear Algebra)	2568	3		ECE (Discrt Time Sig&Sys)	2050	3
ECE (Digital Logic)	2060	3		ECE (Analog Sys&Circuits)	2020	3
Yr. 2				ECE (Microcontrollers)	2560	2
ECE (RF&Optical Engr.)	3010*	3		Stat (Prob&Stat)	3470	3
ECE (Intro to Electronics)	3020*	3		ECE (Electronics Lab)	3027	1
ECE (Semicndctr ElctrncDev)	3030*	3		ECE (Energy&PowerSys. I)	3040*	3
ECE (Signals&Systems)	3050*	3				
ECE (Ethics & Prof.)	3080	1				
Yr. 3						
ISE (Engr. Econ.)	2040	2		ECE (Capstone Design)	4900	3
ECE (Tech. Writing)	3090	1				
ECE (Capstone Design)	3900	1		**Yr. 4**	☐ 4901 syllabus	

** Recommendation: Complete all five of these courses by end of junior year to allow technical electives based on them to be taken senior year. The order may be swapped.*

General Education (24 HRS)

One GE must be a US Social or Global Diversity Course. ☐

One GE must be an ETHICS course. SS ☐ or AH ☐

English & Comm Skills (6 hr)

English 1110.xx 3 _____
2367 2nd writing 3 _____

Social Sciences (6 hrs)

Only one course per Social Science group may count

_____ Grp 3 _____
_____ Grp 3 _____

Literature

_____ 3 _____

Visual & Performing Arts

_____ 3 _____

Historical Study

_____ 3 _____

2nd Hst. Stdy. or Culture & Ideas

_____ 3 _____

ELECTIVES (28 HRS)

- ☐ At least 16 hours of the Electives must be ECE Technical Electives.
  - ☐ Must take a concentration of 6 hours in one of the domains below.
  - ☐ Must take at least 3 hours in each of two other domains below.
  - ☐ Must include at least one 5000 level ECE Technical Elective.
  - ☐ At least one ECE Technical Elective course must be a lab.
- ☐ Up to 12 hours of the Electives may be Directed Electives from the ECE approved list. Directed Electives generally include: courses required for entry into other engineering majors; required and technical elective courses in other engineering majors; pre-med courses; business or entrepreneurship courses; math, statistics, physics and chemistry courses at higher level than required in the ECE core; and other physical science or biological science courses. For physical science or biological science courses a maximum of 7 hours numbered below 2000 may be counted as Directed Electives.

DIRECTED ELECTIVES

_____
_____
_____
_____
_____
_____
_____
_____
_____

Total Directed Electives (_____)

COMM/DSP

Lectures

ECE 4194.02 3 _____
ECE 5000 3 _____
ECE 5101 3 _____
ECE 5200 3 _____
ECE 5206 3 _____
ECE 5400 3 _____

Labs

ECE 5007 0.5 _____
ECE 5207 0.5 _____
TOTAL (_____)

COMPUTER

Lectures

ECE 3561 3 _____
ECE 5194.08 3 _____
ECE 5362 3 _____
ECE 5460 3 _____
ECE 5462 3 _____
ECE 5463 3 _____
ECE 5465 3 _____

Labs

ECE 3567 1 _____
TOTAL (_____)

ELECTRONICS

Lectures

ECE 4021 3 _____
ECE 5020 3 _____
ECE 5021 3 _____
ECE 5022 3 _____
ECE 5120 3 _____
ECE 5194.12 3 _____

Labs

ECE 5027 4 _____
ECE 5227 4 _____
TOTAL (_____)

ELECTROMAGNETICS & OPTICS

Lectures

ECE 5010 3 _____
ECE 5011 3 _____
ECE 5012 3 _____
ECE 5013 3 _____
ECE 5510 3 _____

Labs

ECE 5017 4 _____
TOTAL (_____)

_____
_____
_____
_____
_____

SOLID STATE ELECTRONICS & PHOTONICS

Lectures

ECE 5031 3 _____
ECE 5033 3 _____
ECE 5131 3 _____
ECE 5132 3 _____
ECE 5194.07 3 _____
ECE 5194.09 3 _____
ECE 5194.10 3 _____
ECE 5194.14 3 _____
ECE 5530 3 _____
ECE 5832 3 _____
ECE 5833 3 _____

Labs

ECE 5037 4 _____
ECE 5237 4 _____

ENERGY & POWER

Lectures

ECE 5025 3 _____
ECE 5041 3 _____
ECE 5042 3 _____
ECE 5043 3 _____

Labs

ECE 3047 1 _____
ECE 5047 3 _____
ECE 5127 1 _____
TOTAL (_____)

CONTROL

Lectures

ECE 3551 3 _____
ECE 5194.11 3
ECE 5550 3 _____
ECE 5551 3 _____
ECE 5553 3 _____
ECE 5554 3 _____
ECE 5759 3 _____

Labs

ECE 3557 1 _____
ECE 5557 2 _____
TOTAL (_____)

OTHER ECE TECHNICAL ELECTIVES

_____
_____
_____
_____
_____
_____
_____

Total Other ECE Electives (_____)
Total ECE Domain Electives (_____)
TOTAL ECE Tech Electives (_____)

☐ Lab ☐ 5000-level

Hours Req'd for Degree: **128**
Earned Hours to Date: _____
Total Proposed Hours: _____

Transfer students:
30 OSU ECE hrs? ☐
Math & B. Science:
32 hrs? ☐

Final CPHR: _____ **Final MGPA:** _____
OK to Graduate? Yes No _____
Program Approved:

_____
Advisor's Signature Date

Revised 10/18/18: gjv