2020-2021
***CES**/GE*

***Major:** Electrical and Computer Engineering* ***Program of Study:** Computer 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

	AU	Bold courses are required for entry into major	**SP**	

	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____	*Physics II*	1251	5____
Physics I	1250	5____	*CSE (Programming C/C++)*	1222	3____

Yr. 1

	AU			SP	
Chemistry for Engineers	1250	4____	CSE (Foundations I)	2321	3____
Math (Linear Algebra)	2568	3____	ECE (Discrt Time Sig&Sys)	2050	3____
ECE (Digital Logic)	2060	3____	ECE (Analog Sys&Circuits)	2020	3____
CSE (Dev Software I)	2221	4____	ECE (Microcontrollers)	2560	2____
ECE 3090 (Tech writing)	3090	1____	CSE (Dev Software II)	2231	4____

Yr. 2 *Will accept Chem 1210

| | | | CSE (Adv Prog In C) | 2451 | 2____ |

	AU			SP	
ECE (Electronics)	3020	3____	Stat (Prob&Stat)	3470	3____
Math (Ord & Part Diff EQNS)	2415	3____	ECE (Electronics Lab)	3027	1____
(Adv. Digital Design)	3561	3____	ECE (Comp. Arch. Design)	5362	3____
ECE (Microcontrollers Lab)	3567	1____	CSE (Sys II/OS)	2431	3____

Yr. 3

	AU			SP	
ISE (Engr. Econ.)	2040	2____	ECE (Capstone Design II)	4905	3____
ECE (Capstone Design I)	3905	3____	☐ 4901 syllabus		

Yr. 4

General Education (24 HRS)

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

Must take Philos 1332 for ethics

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
Philos 1332 _____   3 _____

ELECTIVES (16 HRS)

☐ At least 9 hours of the Technical Electives must be ECE or CSE courses selected from the lists below.
☐ Must include at least one 5000 level ECE or CSE Technical Elective.
☐ Up to 7 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.

VLSI (Very Large Scale Integrated Circuits) & Computer Aided Design
ECE 5020 (3) _____   ECE 5560 (3) _____

Microprocessor Based Systems
ECE 5465 (3) _____   ECE 5466 (3) _____

Digital Design and Computer Architecture
ECE 5462 (3) _____

Computer Networks
ECE 5101 (3) _____   CSE 3461 (3) _____ ECE 4567 (4) _____

Signals and Systems
ECE 3050 (3) _____

Robotics and Control for Automation
ECE 3551 (3) _____   ECE 5463 (3) _____   ECE 5554 (3) _____

Digital Signal Processing/Image Processing/Machine Learning
ECE 5200 (3) _____   ECE 5206 (3) _____   ECE 5460 (3) _____
One of ECE 5300 (4300) or CSE 5523 (3) _____

Numerical Analysis
CSE 5361 (3) _____

Database/Algorithms
CSE 3241 (3) _____   CSE 5242 (3) _____

High Performance Computing
CSE 5441 (3) _____

CSE DIRECTED ELECTIVES
_____
_____
_____
_____
_____
_____

Total CSE Directed Elec. (_____)

OTHER ECE TECH ELECTIVES
_____
_____
_____
_____

Total Other ECE TE. (_____)
Total Short List TE. (_____)
Total ECE &CSE Elec. (_____)

NON-CSE DIRECTED ELECTIVES
_____
_____
_____
_____

Total Non-CSE DE (_____)

☐ 5000-level

Hours Req'd for Degree: **128** _____	Transfer students: 30 OSU ECE hrs? ☐
Earned Hours to Date: _____	Math & B. Science: 32 hrs? ☐
Total Proposed Hours: _____	
Final CPHR: _____	**Final MGPA:** _____
OK to Graduate? Yes No _____	
Program Approved:	
_____	
Advisor's Signature Date	