

Name: \_\_\_\_\_ ID: \_\_\_\_\_ New to OSU: \_\_\_\_\_

email: \_\_\_\_\_@osu.edu Phone number: \_\_\_\_\_

http://www.ece.osu.edu

CORE (73 HRS)	AU	<b>Bold</b> courses are included in EPHR	SP
<b>Engr (Fund. Of Engr I)</b> 1181 2		<b>Engr (Fund. Of Engr II)</b> 1182 2	
<b>Math (Engr. Calculus I)</b> 1151 5		<b>Math (Engr. Calculus II)</b> 1172 5	
<b>Chemistry for Engineers</b> 1250 4		<b>Physics I</b> 1250 5	
Engr (Survey) 1100 1		<b>CSE (Programming C/C++)</b> 1222 3	
Yr. 1			
<b>Physics II</b> 1251 5		Math (DiffEq&CmplxMath) 2415 3	
Math (Linear Algebra) 2568 3		ECE (Intro to ECE II) 2100 4	
ECE (Intro to ECE I) 2000 4		ECE (Microcontrollers) 2560 2	
Yr. 2		ECE (Semicondctr ElectrncDev) 3030* 3	
Stat (Prob&Stat) 3470 3		ECE (Energy&PowerSys. 1) 3040* 3	
ECE (RF&Optical Engr.) 3010* 3			
ECE (Intro to Electronics) 3020* 3			
ECE (Signals&Systems) 3050* 3			
Yr. 3			
ISE (Engr. Econ.) 2040 2		ECE (Capstone Design) 4900 3	
ECE (Ethics & Prof.) 3080 1			
ECE (Tech. Writing) 3090 1			
Yr. 4			

\* It is recommended that all five of these courses be completed by end of junior year to allow technical electives that rely on them to be taken senior year. The order may be swapped as permitted by completion of prerequisites.

4901 syllabus

**ELECTIVES (31 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 two ECE Technical Elective courses must be labs.
- Up to 15 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.

COMM/DSP	COMPUTER	ELECTRONICS	ELECTROMAGNETICS
<b>Lectures</b>	<b>Lectures</b>	<b>Lectures</b>	<b>Lectures</b>
ECE 5000 3	ECE 3561 3	ECE 5020 3	ECE 5010 3
ECE 5101 3	ECE 5362 3	ECE 5021 3	ECE 5011 3
ECE 5200 3	ECE 5460 3	ECE 5022 3	ECE 5012 3
ECE 5206 3	ECE 5462 3	ECE 5120 3	ECE 5013 3
ECE 5400 3	ECE 5463 3	<b>Labs</b>	ECE 5510 3
<b>Labs</b>	ECE 5465 3	ECE 3027 0.5	ECE 5511 3
ECE 4007 0.5	<b>Labs</b>	ECE 5027 4	<b>Labs</b>
ECE 4207 0.5	ECE 3567 1	<b>TOTAL ( )</b>	ECE 5017 4
<b>TOTAL ( )</b>	ECE 5467 3		<b>TOTAL ( )</b>
	<b>TOTAL ( )</b>		

SOLID STATE ELECTRONICS & PHOTONICS	ENERGY & POWER	CONTROL
<b>Lectures</b>	<b>Lectures</b>	<b>Lectures</b>
ECE 5031 3	ECE 5025 3	ECE 3551 3
ECE 5033 3	ECE 5041 3	ECE 5551 3
ECE 5131 3	ECE 5042 3	ECE 5553 3
ECE 5132 3	ECE 5541 3	ECE 5554 3
ECE 5530 3	<b>Labs</b>	ECE 5750 3
ECE 5531 3	ECE 3047 1	ECE 5754 3
ECE 5532 3	ECE 5047 3	ECE 5759 3
<b>Labs</b>	ECE 5127 1	<b>Labs</b>
ECE 5037 4	<b>TOTAL ( )</b>	ECE 3557 1
ECE 5137 0.5		ECE 5557 1
ECE 5237 3		<b>TOTAL ( )</b>
<b>TOTAL ( )</b>		

**General Education (24 HRS)**

**PRE-ADMISSION CONDITION**  
Met

One GE must be a US Social Diversity Course.

One GE must be an ETHICS course. SS  or AH

**English & Comm Skills (6 hr)**  
English 1110.xx 3  
2367 2<sup>nd</sup> 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

**2<sup>nd</sup> Hst. Study. or Culture & Ideas**  
3

**DIRECTED ELECTIVES**

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\_\_\_\_\_

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\_\_\_\_\_

**Total Directed Electives ( )**

**OTHER ECE TECHNICAL ELECTIVES**

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\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

**Total Other ECE Electives ( )**

**Total ECE Domain Electives ( )**

**TOTAL ECE Tech Electives ( )**

Hours Req'd for Degree: \_\_\_\_\_

Earned Hours to Date: \_\_\_\_\_

Total Proposed Hours: \_\_\_\_\_

**Final CPHR:** \_\_\_\_\_ **Final MGPA:** \_\_\_\_\_

**OK to Graduate?** Yes No \_\_\_\_\_

Program Approved: \_\_\_\_\_

Transfer students:  
30 OSU ECE hrs?

Math & B. Science:  
32 hrs?

Advisor's Signature \_\_\_\_\_ Date \_\_\_\_\_