

Name: \_\_\_\_\_ ID: \_\_\_\_\_ New to OSU: \_\_\_\_\_  
 email: \_\_\_\_\_ osu.edu Phone number: \_\_\_\_\_ http://www.ece.osu.edu

CORE (122 HRS)	AU	<i>Bold</i> courses are included in SPHR	WI	SP
<i>Math</i> 151.0x 5		<i>Math</i> 152.0x 5		<i>Math</i> 153.0x 5
<i>Chemistry</i> 121 5		<i>Physics</i> 131 5		<i>Physics</i> 132 5
<i>Eng</i> 181 3		<i>Eng</i> 183 3		<i>CS&amp;E</i> 221* 4
		<i>En Graph 167 or CS&amp;E 202*</i> 4		<i>Math</i> 366 3
*EnGraph 167 or CS&E 202 or CS&E 205 or satisfactory placement exam score required as prereq for CS&E 221. NOTE: CS&E 221 is not included in SPHR if EnGraph 167 (or its equiv) was taken for a grade.				
<b>Yr. 1</b>				
<i>Math</i> 254 5		<i>Math</i> 415 4		<i>Math</i> 568 3
<i>Physics</i> 133 5		<i>ECE</i> 291 4		<i>ECE</i> 265 3
<i>CS&amp;E</i> 222 4		<i>CS&amp;E</i> 321 4		<i>ECE</i> 292 4
<i>ECE</i> 290 4				<i>ECE</i> 567 2
<b>Yr. 2</b>				
<i>Stat</i> 427 3		<i>ECE</i> 331 3		<i>ECE</i> 662 3
<i>ECE</i> 323 3		<i>ECE</i> 561 3		<i>CS&amp;E</i> 560 5
<i>ECE</i> 352 3				
<b>Yr. 3</b>				
<i>ECE</i> 481 1				<i>ECE 682</i> or <i>683</i> 3
<i>CS&amp;E</i> 660 3				<input type="checkbox"/> 683 Syllabus
<i>ISE</i> 504 3				
<b>Yr. 4</b>				

**GEN ED CURRICLM (38 HRS)**

**PRE-ADMISSION CONDITION**  
 \_\_\_\_\_ Met

**One GEC must be a SOCIAL DIVERSITY course.**

**One GEC must be an ETHICS course.** SS  or AH

**English & Comm Skills (13)**  
 English 110 \_\_\_\_\_ 5  
 2<sup>nd</sup> Wrtg Crs \_\_\_\_\_ 5  
 ECE 582 \_\_\_\_\_ 3

Students must take 25 hours across Social Sciences, Historical Study, and Arts & Humanities with a minimum of 5 hours and maximum of 10 hours per category.

**Social Sciences (5-10 hrs)**  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

**Historical Study (5-10 hrs)**  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

**Arts & Humanities (5-10 hrs)**  
 \_\_\_\_\_ ( ) \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

**TECHNICAL ELECTIVES AND SELECTED CORE: 36 HOURS TOTAL**

**TECHNICAL ELECTIVES** Of the 27-36 Technical Elective hours:  
 12 hours must be selected from the list below; and  
 18 hours must be ECE, which includes Tech Elecs and EES core not in CES core (311, 312, 327, 341, 432, 447). ECE courses counted in the 12 hour requirement count in this requirement as well.

Total ECE/CSE Major Core Qtr Hrs: \_\_\_\_\_ out of 59

- VLSI (VERY LARGE SCALE INTEGRATED CIRCUITS) & COMPUTER-AIDED DESIGN**  
 ECE 720 (3) \_\_\_ ECE 721 (3) \_\_\_ CS&E 778 (4) \_\_\_
- MICROPROCESSOR BASED SYSTEMS**  
 ECE 765 (3) \_\_\_
- DIGITAL DESIGN AND COMPUTER ARCHITECTURE**  
 ECE 667 (3) \_\_\_ ECE 762 (3) \_\_\_ ECE 764 (3) \_\_\_ CS&E 775 (3) \_\_\_
- COMPUTER INTERFACING AND PROTOCOLS, COMPUTER NETWORKS**  
 ECE 766 (3) \_\_\_ CS&E 677 (3) \_\_\_
- ROBOTICS AND CONTROL FOR AUTOMATION**  
 ECE 551 (3) \_\_\_ ECE 755 (3) \_\_\_ ECE 757 (3) \_\_\_ ECE 763 (3) \_\_\_
- NEURAL NETWORKS, ARTIFICIAL INTELLIGENCE**  
 ECE 779 (3) \_\_\_ CS&E 630 (3) \_\_\_
- DIGITAL SIGNAL PROCESSING/IMAGE PROCESSING**  
 ECE 600 (3) \_\_\_ ECE 609 (2) \_\_\_ ECE 700 (3) \_\_\_ ECE 706 (3) \_\_\_  
 ECE 707 (3) \_\_\_
- APPLIED SOFTWARE ENGINEERING**  
 ECE 668 (3) \_\_\_ ECE 767 (3) \_\_\_ ECE 769 (3) \_\_\_
- SEMICONDUCTORS**  
 ECE 637 (4) \_\_\_ ECE 730 (3) \_\_\_
- COMMUNICATION THEORY**  
 ECE 501 (3) \_\_\_ ECE 702 (3) \_\_\_
- NUMERICAL ANALYSIS**  
 ECE 759 (3) \_\_\_ CS&E 541 (3) \_\_\_

**OTHER TECH ELECTIVES**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Total from list** (\_\_\_\_)

**Total Other TEs** (\_\_\_\_)

**Total Selec Core** (\_\_\_\_)

**TOTAL** (\_\_\_\_)

**SELECTED CORE**

0-9 hours may be taken from this list:  
 Bio 113 (5), Chem 122 (5) **or** 125 (4),  
 Chem 231 **or** 251 (3), Earth Sci 121 (5),  
 ME 250 (4), ME 410 (4), ME 420 (4),  
 ME 430 (4), MSE 401 **or** ME 500 (4)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

OSU is changing to semesters in summer 2012. Find out how the ECE Department is planning for this transition by visiting us at <http://ece.osu.edu/currentstudents/q2s>.

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

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

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

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

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

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

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

Transfer students:  
 45 ECE hrs?

Math & B. Science:  
 48 hrs?