http://www.ece.osu.edu

2005-2006 ***CES****/GEC*

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

Hrs. **199**

Name: _____ SSN: _____ New to OSU: _____

email: _____ @ osu.edu ☐ **Approved Program Transition Agreement** ☐ Photo ☐ Resume

CORE (125 HRS)

Bold courses are included in SPHR

	AU			WI				SP			
Yr. 1	***Math***	***151***	5		***Math***	***152***	5		***Math***	***153***	5	
	Chemistry	***121***	5		***Physics***	***131***	5		***Physics***	***132***	5	
	Eng	***181***	3		***Eng***	***183***	3		***CS&E***	***221****	4	
					En Graph	***167****	4		Math	366	3	
Yr. 2	***Math***	***254***	5		Math	415	4		Math 571† or	568	3	
	Physics	***133***	5		ECE	205	3		ECE	206	1	
	CS&E	222	4		ECE	261	3		ECE	209	2	
					CS&E	321	4		ECE	265	3	
								† Preferred	ECE	301	3	
Yr. 3	Stat 427 or Math	530	3		ECE	331	3		ECE	352	3	
	ECE	323	3		ECE	351	3		ECE	662	3	
	ECE	567	2		ECE	561	3		CS&E	560	5	
Yr. 4	ECE	481	1						ECE 682 or	683	3	
	CS&E	660	3						☐ 683 Syllabus			
	Ind Eng	504	3									

* EnGraph 167 (EnGraph 167C is preferred) 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.

GEN ED CURRICLM (41 HRS)

PRE-ADMISSION CONDITION
_____ Met ☐

One GEC must be a SOCIAL DIVERSITY course. ☐

English & Comm Skills (13)
English 110 _____ 5 _____
2nd Wrtg Crs
_____ 5 _____
ECE 582 _____ 3 _____

Social Science (9)
_____ ( ) _____
_____ ( ) _____

Historical Survey (10)
_____ ( ) _____
_____ ( ) _____

Arts & Humanities (9)
a. Literature (1 course)
_____ ( ) _____

b. Visual/Performing Arts or Other Humanities (1 course)
_____ ( ) _____

TECHNICAL ELECTIVES AND SELECTED CORE: 33 HOURS TOTAL

TECHNICAL ELECTIVES

Of the 24-33 Technical Elective hours:
- ❑ 12 hours must be selected from the list below; and
- ❑ 15 hours must be ECE (can include ECE courses taken from list, tech elecs, and EES core not in CES core [311, 312, 327, 341, 432, 447])

VLSI (VERY LARGE SCALE INTEGRATED CIRCUITS) & COMPUTER-AIDED DESIGN
ECE 720 (3) ___ ECE 721 (3) ___ ECE 761 (3) ___ CS&E 778 (4)___

MICROPROCESSOR BASED SYSTEMS
ECE 765 (3) ___ ECE 769 (3) ___

DIGITAL DESIGN AND COMPUTER ARCHITECTURE
ECE 667 (3) ___ ECE 762 (3) ___ CS&E 775 (3) ___

COMPUTER INTERFACING AND PROTOCOLS, COMPUTER NETWORKS
ECE 701 (3) ___ 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) ___

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), Geo Sci 121 (5), Math 512 (3), Math 513 (3), Math 514 (3), ME 250 (4), ME 410 (4), ME 430 (4), ME 420 (4), MSE 401 **or** ME 500 (4)

_____
_____
_____
_____
_____

TOTAL (____)

Notes: _____

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

Transfer students: 45 ECE hrs? ☐

Final CPHR: _____ **Final MGPA:** _____

OK to Graduate? Yes No _____

Program Approved:

_____
Advisor's Signature Date

Rev'd 8/9/05:ced