

Name: _____ ID: _____ New to OSU: _____

email: _____@osu.edu Phone number: _____

http://www.ece.osu.edu

| CORE (87 HRS) | AU | Bold courses are included in EPHR | SP |
|-------------------------------------|------|------------------------------------------|----------------------------------------------|
| <u>Engr (Survey)</u> | 1100 | 1 | <u>Engr (Fund. Of Engr II)</u> 1182 2 |
| <u>Engr (Fund. Of Engr I)</u> | 1181 | 2 | <u>Math Engr. (Calculus II)</u> 1172 5 |
| <u>Math (Calculus I)</u> | 1151 | 5 | <u>Chemistry for Engineers</u> 1250 4 |
| <u>Physics I</u> | 1250 | 5 | <u>CSE (Programming C/C++)</u> 1222 3 |
| Yr. 1 | | | |
| <u>Physics II</u> | 1251 | 5 | <u>CSE (Foundations I)</u> 2321 3 |
| <u>Math (Linear Algebra)</u> | 2568 | 3 | <u>ECE (Discret Time Sig&Sys)</u> 2050 3 |
| <u>ECE (Digital Logic)</u> | 2060 | 3 | <u>ECE (Analog Sys&Circuits)</u> 2020 3 |
| <u>CSE (Dev Software I)</u> | 2221 | 4 | <u>ECE (Microcontrollers)</u> 2560 2 |
| Yr. 2 | | | |
| | | | <u>CSE (Dev Software II)</u> 2231 4 |
| | | | <u>CSE (Adv Prog In C)</u> 2451 2 |
| <u>ECE (Electronics)</u> | 3020 | 3 | <u>Stat (Prob&Stat)</u> 3470 3 |
| <u>ECE (Ethics & Prof.)</u> | 3080 | 1 | <u>ECE (Electronics Lab)</u> 3027 1 |
| <u>ECE (Adv. Digital Design)</u> | 3561 | 3 | <u>ECE (Comp. Arch. Design)</u> 5362 3 |
| <u>ECE (Microcontrollers Lab)</u> | 3567 | 1 | <u>CSE (Sys II/OS)</u> 2431 3 |
| <u>Math(Ord&Part Diff Eqns)</u> | 2415 | 3 | |
| Yr. 3 | | | |
| <u>ISE (Engr. Econ.)</u> | 2040 | 2 | <u>ECE (Capstone Design II)</u> 4900 3 |
| <u>ECE (Tech. Writing)</u> | 3090 | 1 | |
| <u>ECE (Capstone Design I)</u> | 3900 | 1 | <input type="checkbox"/> 4901 syllabus |
| Yr. 4 | | | |

| General Education (24 HRS) |
|----------------------------------------------------------------------------------------------------|
| One GE must be a US Social or Global Diversity Course. <input type="checkbox"/> |
| One GE must be an ETHICS course. SS <input type="checkbox"/> or AH <input type="checkbox"/> |
| English & Comm Skills (6 hr) |
| English 1110.xx 3 |
| 2367 2 nd 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. Study. or Culture & Ideas |
| 3 |

| ELECTIVES (17 HRS) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> At least 9 hours of the Technical Electives must be ECE or CSE courses selected from the lists below. |
| <input type="checkbox"/> Must include at least one 5000 level ECE or CSE Technical Elective. |
| <input type="checkbox"/> Up to 8 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) _____ |
| Microprocessor Based Systems ECE 5465 (3) _____ |
| Digital Design and Computer Architecture ECE 5462 (3) _____ |
| Computer Networks ECE 5101 (3) _____ CSE 3461 (3) _____ |
| 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 ECE 5200 (3) _____ ECE 5206 (3) _____ ECE 5460 (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 () |
| <input type="checkbox"/> 5000-level |

| | |
|-------------------------------------|----------------------------------------------------------------|
| Hours Req'd for Degree: 128 | Transfer students: 30 OSU ECE hrs? <input type="checkbox"/> |
| Earned Hours to Date: _____ | Math & B. Science: 32 hrs? <input type="checkbox"/> |
| Total Proposed Hours: _____ | |
| Final CPHR: _____ | Final MGPA: _____ |
| OK to Graduate? Yes No _____ | |
| Program Approved: _____ | |
| Advisor's Signature _____ | Date _____ |