Name: ______________________ ID: ______________________ New to OSU: ______________________

email: ______________________@osu.edu Phone number: ______________________

http://www.ece.osu.edu

**Major:** Electrical and Computer Engineering  **Program of Study:** Computer Engineering  
**Degree:** Bachelor of Science in Electrical and Computer Engineering (BSECE)  
**Hrs.** 128

### 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

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### 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 5205 (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)

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**Hours Req’d for Degree:** 128  **Transfer students:** 30 OSU ECE hrs? □

**Earned Hours to Date:** 128  **Math & B. Science:** 32 hrs? □

**Total Proposed Hours:** 128

**Final CPHR:** ________  **Final MGPA:** ________

**OK to Graduate?** Yes □ No □

**Program Approved:** ________

Revised 7/9/20: AMK