

## **Approved ECE Professional Electives (Revised August 2021)**

### **Engineering Courses:**

Civil Engineering: Any CE course other than CE 202.

Electrical and Computer Engineering: Any ECE course (other than 281) not used for another graduation requirement.

Mechanical Engineering: Any ME course other than ME 125 or ME 261.

General Engineering: GE 109 and GE 493 (Dale Carnegie). GE 481, 482, and 483 may be used only if the student has completed at least six credits of a cooperative education program in engineering.

### **Mathematics, Science, and Computer Science Courses:**

Astronomy: 101, 101L, 221, 252, and 253.

Biology: 125, 151, 152, 171, 172, 210, 260, and 270.

Chemistry: Any courses numbered 115 and above

Computer Science: 225, 230, 240, 245, 250, 260, 325, 330, 335, 340, 345, 358, 365, and 372.

Mathematics: 220, 264, 266, 314, 320, 321, 322, 323, 330, 334, 370, 371, 421, 422, 451, 452, 461, and 462.

Physics: 142L, 243, 245, 250, 345, 360, 371, 372, 381, 421, 422, 430, 430L, and 440.

Statistics: STAT 340, 343, and 344.

### **Business Courses:**

Accounting: ACC 205, 206, and any courses numbered 300 and above.

Business Law: BLAW 104 and 404.

Decision Science: Any courses numbered 300 and above.

Finance: Any courses numbered 300 and above.

Management: Any courses numbered 300 and above.

Marketing: Any courses numbered 300 and above.

### **ROTC Courses:**

Any ROTC course used to satisfy the Army ROTC or Air Force ROTC program requirements.

### **World Language Courses:**

Chinese: CHIN 101, 102, 203, 204, 305, 306, 407, and 408.

East Asian Studies: EAST 109, 110, 209, 210, 309, and 310.

French: FREN 101, 102, 203, 204, and 305.

## **Approved ECE Professional Electives (Revised August 2021)**

German: GER 101, 102, 203, 204, and 307.

Japanese: JAPN 101, 102, 203, 204, 305, and 306.

Spanish: SPAN 101, 102, 203, 204, and 307.

### **Other Arts and Sciences Courses:**

Communication: 145, 243, 345, 360, 366, and 372.

Economics: ECON 221, 222, 233, 321, 322, 325, 326, 336, 337, and 339.

English: ENGL 300 and 310.

Geography: GEO 101, 102, 104, and 301.

Meteorology: MET 103, 215, 216, and 240.

Electrical engineering students are required to take nine credits of math/science electives.

Computer engineering students are required to take six credits of math/science electives.

These electives can be chosen from among the following courses:

Astronomy 252 and 253

Biology: 151, 152, 171, 172, 210, 260, and 270.

Chemistry: Any courses numbered 115 and above

Mathematics: 220, 264, 266, 314, 320, 321, 322, 323, 330, 334, 370, 371, 421, 422, 451, 452, 461, and 462.

Statistics: IDS 340, STAT 340, 343, and 344.

Meteorology: 215, 216, and 240.

ECE 357 (Electrical engineers only)

Physics: 142L, 243, 245, 250, 345, 360, 371, 372, 381, 421, 422, 430, 430L, and 440.