ELECTRICAL & COMPUTER ENGINEERING

FIRST YEAR

Academic Year 2020-2021

Fall  
- ECE 111: Intro. to Electrical & Comp. Engr. F (3)
- WR 121: English Composition F, W, S, U, E (3)
- HHS 231: Lifetime Fitness F, W, S, U, E (2)
- PAC: Physical Activity F, W, S, U, E (1)
- Co-Req MTH 111

Winter  
- ECE 112: Intro. to Electrical & Comp. Engr. W (3)
- CH 201: Chemistry for Engineers F, W (3)
- WR 121: English Composition Alpha Sectioned F, W, S, U, E (3)
- Co-Req MTH 111

Spring  
- COMM 111/114: Speech F, W, S, U (3)
- Perspectives Western Culture F, W, S, U, E (3)
- CS 261: Data Structures C F, W, S, U, E (4)
- PH 211: Physics with Calculus F, W, S, U (4)

Notes:
1. F, W, S, U: Represents the term the course is offered (Fall, Winter, Spring, Summer, Ecampus)
2. ( _ ) : Represents the credits of the course
3. Arrows: Represents prerequisites, co-requisites and recommendations for that course
4. Summer Courses may be cancelled due to low enrollment

SECOND YEAR

Fall  
- ENGR 201: Electrical Fundamentals I F, W, S, U (3)
- MTH 254: Intro to Matrix Algebra F, W, S, U (2)
- MTH 265: Intro to Series F, W, S, U (2)
- Co-Req MTH 251, Co-Req MTH 252

Winter  
- ENGR 202: Electrical Fundamentals II W, S, U (3)
- PH 211: Physics with Calculus F, W, S (4)
- PH 212: Physics with Calculus W, S (4)
- REC PH 212 & REC MTH 254

Spring  
- ENGR 203: Electrical Fundamentals III F, S, U (3)
- ENGR 201, ENGR 202 & MTH 256
- MTH 264: Intro to Matrix Algebra F, W, S, U (2)
- CS 261: Data Structures C F, W, S, U, E (4)
- WR 327: Technical Writing F, W, S, U, E (3)

Co-req MTH 231 or co-req MTH 251
ELECTRICAL & COMPUTER ENGINEERING

THIRD YEAR

Fall
ENGR 203

ECE 322
Electronics I
F, W, (3)

ECE 323
Electronics II
W, S (3)

CS 261 & (CS 271 OR ECE 271)

ECE 351
Signals & Systems I
F, W (3)

ECE 352
Signals & Systems II
W, S (3)

ECE 353
Intro to Prob & Random Signals
W, S (3)

ECE 372
Intro to Computer Networks
F, W, S, U, E (4)

ECE 375
Computer Org. & Assembly Language
F, W (4)

ECE 341
JR Project
F, W (3)

CS 344 or
ECE 390
F, W, U, E (4)

ECE 391
Transmission Lines
W, S (3)

Synthesis
Contemporary Global Issues
F, W, S, U, E (3)

Perspectives
Social Processes & Institutions
F, W, S, U, E (3)

Perspectives
Cultural Diversity
F, W, S, U, E (3)

Perspectives
Biological Science
F, W, S, U, E (3)

Perspectives
Difference, Power & Discrimination
F, W, S, U, E (3)

Perspectives
Literature & Arts
F, W, S, U, E (3)

Double dips Science, Technology and Society

Notes:
1. Summer Courses may be cancelled due to low enrollment
2. CS 391 counts for both Major and Science, Technology and Society (Synthesis) credits
3. 180 total credits are needed to graduate
4. Students cannot S/U major courses

Revised 6/10/20