## Year 1 - (31 Credits)

### Fall Semester (15 credits)
- **General Education and Major Coursework:**
  - MATH 211 (4 credits)
  - ENGL 110C
  - Language and Culture I (May be waived, see catalog for details)
  - COMM 101R
  - ENGN 110 (2 credits)

### Spring Semester (16 credits)
- **General Education and Major Coursework:**
  - ENGL 231C
  - Human Creativity
  - Language and Culture II (May be waived, see catalog for details)
  - MATH 212 (4 credits)

## Year 2 - (34 Credits)

### Fall Semester (16 credits)
- **General Education and Major Coursework:**
  - CHEM 121N and 122N (4 credits)
  - Literature
  - ECE 111 (2 credits)
  - ECE 201
  - PHYS 231 (4 credits)

### Spring Semester (18 credits)
- **General Education and Major Coursework:**
  - CHEM 123N and 124N (4 credits)
  - Interpreting the Past
  - PHYS 232N (4 credits)
  - ECE 202
  - CS 150 (4 credits)

## Year 3 - (41 Credits)

### Fall Semester (16 credits)
- **Major Coursework:**
  - MATH 312 (4 credits)
  - ECE 287 (2 credits)
  - ECE 241 (4 credits)
  - MATH 307
  - PHYS 319

### Spring Semester (16 credits)
- **Major Coursework:**
  - PHYS 303 or ECE 287
  - PHYS 323
  - PHYS 425
  - ECE 313 (4 credits)
  - ECE 332

## Year 4 - (30 Credits)

### Fall Semester (15 credits)
- **Major Coursework:**
  - PHYS 452
  - PHYS 454
  - PHYS 420
  - ECE 381
  - ECE 387

### Spring Semester (15 credits)
- **Major Coursework:**
  - PHYS 453
  - PHYS 456
  - PHYS 499W or 489W and 499W
  - ECE 302
  - ECE 303

## Year 5 - (28 Credits)

### Fall Semester (16 credits)
- **Major Coursework:**
  - ECE 387
  - ECE 304

### Spring Semester (12 credits)
- **Major Coursework:**
  - ECE Technical Elective I
  - ENMA 480
  - Approved Elective
  - ECE 485W
  - ECE 486 (1 credit)

Language and Culture may be waived, see ODU catalog for exemptions.

The Upper Division General Education will be satisfied by completion of the dual majors.

Concentration D is a dual degree program in physics and electrical engineering. Students will receive a B.S. and B.S.E.E. upon graduation. Concentration D provides the highest level of preparation for both graduate school and positions in industry.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.