**NC State Havelock Engineering – Electrical & Mechanical Concentrations**

<table>
<thead>
<tr>
<th><strong>First Year</strong></th>
<th><strong>Sophomore Year</strong></th>
<th><strong>Junior Year</strong></th>
<th><strong>Senior Year</strong></th>
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<tr>
<td><strong>FALL</strong></td>
<td><strong>SPRING</strong></td>
<td><strong>FALL</strong></td>
<td><strong>SPRING</strong></td>
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| MA 305 Lin Algebra | PY 208/209 Physics-II | MAE 308 Fluid Mechanics | **Mech. Hours**
| MA 141/241 Calc I&II | MAE 208 Dynamics | MAE 316 Strength of Comp. | Math/Sc = 30
| PY 205 Physics-I | MAE 214 Solid Mech. | MAE 315 Dynam. of Machines | Engr = 62
| MES 200 Intro Engr Sys. | MES 201 Engr Sys. Junior Design Lab | MES 302 Mech Engr Sys Lab 1 | Other = 32
| ECE 200 Intro to Signals, Circuits, Systems | ECE 220 Anal. Found. | MES 301 Engr Sys. Design Lab | Total = 124
| ECE 211 Electric Circuits | ECE 301 Linear Sys. | MES 300 Systems Engr. | **Elec. Hours**
| ECE 109 Intro to Computer Systems | ECE 302 Microelectronics | MES 304 Elec Engr. Sys Lab 1 | Math/Sc = 30
| ECE 209 Computer Sys. Prog. | ECE 301 Fund of Logic Design | MES 404 Elec Engr. Sys Lab 2 | Engr = 58
| ECE 212 Fund of Logic Design | ECE Foundation Elective | ECE Elective | Other = 36
| ECE Elective | ECE Elective | ECE Elective | Total = 124
| ECE Elective | ECE Elective | ECE Elective | **Mechanical Concentration**
| **Electrical Concentration** | | | **Common Courses**

**Raleigh Course**

**Local Course**

**Transfer**

Math/Sc = 30

Engr = 62

Other = 32

Total = 124

Math/Sc = 30

Engr = 58

Other = 36

Total = 124