

## WOOD SCIENCE OPTION

### *Lower Division Required Courses*

|         |                                |       |
|---------|--------------------------------|-------|
| PSE 201 | Art &Early History/Papermaking | 3     |
| APM 205 | Calculus I:Science & Engr      | 4     |
| APM 206 | Calculus II:Science & Engr     | 4     |
| EFB 336 | Dendrology I                   | 3     |
| EWP 190 | Writing And The Envrnment      | 3     |
| EWP 290 | Research Writing & Humanities  | 3     |
| FCH 150 | General Chemistry I            | 3     |
| FCH 151 | General Chemistry I Lab        | 1     |
| FCH 152 | General Chemistry II           | 3     |
| FCH 153 | General Chemistry II Lab       | 1     |
| FCH 221 | Organic Chemistry 1            | 3     |
| FCH 222 | Organic Chemistry Lab 1        | 1     |
| FCH 360 | Physical Chemistry I           | 3     |
| GNE 160 | Comp Methods/Engrs&Scientists  | 3     |
| GNE 271 | Statics                        | 3     |
| FOR 207 | Introduction To Economics      | 3     |
| PHY 211 | General Physics I              | 0 - 8 |
| PHY 222 | General Physics II Laboratory  | 0 - 8 |
| PSE 223 | Intro to Lignocellulosics      | 4     |
| RMS 132 | Intro/Renewable Mat Science I  | 1     |
| RMS 133 | Intro/Renewable Mat Science II | 1     |
| RMS 200 | Renewable Mat&Comp/Lignocell   | 3     |

## General Education Course

Students are required to take one General Education in the following category as well as taking a total of 30 credit hours of General Education coursework in total.

| Course Name   | Codes* | Credits |
|---|--------|---------|
| General Education Course in Diversity, Equity, Inclusion and Social Justice | G      | 3       |

### *Upper Division Required Courses*

|         |                                |   |
|---------|--------------------------------|---|
| ECH 212 | Engr Thermodynamics            | 3 |
| APM 391 | Intro/Probability&Stats        | 3 |
| BPE 310 | Colloid and Interface Science  | 3 |
| ESF 200 | Information Literacy           | 1 |
| EWP 444 | Prof Writing/Paper&Bioproc Eng | 2 |
| GNE 273 | Mechanics of Materials         | 3 |
| PSE 456 | Management in Industry         | 3 |
| RMS 322 | Wood Machining                 | 3 |
| RMS 335 | Trsprt Properties of Materials | 3 |
| RMS 387 | Renewable Mat/Sustainable Cons | 3 |
| RMS 388 | Wood and Fiber Ident Lab       | 2 |
| RMS 422 | Composite Mat/Sustainable Cons | 3 |
| RMS 465 | Renewable Materials & Surfaces | 3 |
| RMS 468 | Product Design:Timber or Paper | 3 |
| RMS 481 | Capstone Project/Senior Thesis | 3 |

ESF 200 and EWP 444 are to be taken in the same semester in the same time block. Please consult your advisor if you have questions.

Students are required to take 4 Wood Science electives, selected from the following (12 credits).

### *Wood Science Electives*

|         |                                |   |
|---------|--------------------------------|---|
| CME 326 |                                |   |
| CME 330 | Building Code/New York State   | 3 |
| CME 404 | Applied Structures             | 3 |
| CME 410 |                                |   |
| MCR 480 | Fundamentals of Microscopy     | 3 |
| MCR 580 | Microtechnique of Wood         | 3 |
| PSE 438 | Biorenew Fibrous&Nonfibrs Prod | 3 |

**Total Minimum Credits For Degree: 124**

