### MAJOR COURSES

- **NR 140 Careers in Forestry and Environ. Mgmt.**
- **NR 141 Introduction to Forest Ecosystem Mgmt.**
- **NR 208 Dendrology.**
- **NR 215 Land and Resource Measurements.**
- **NR 260 Forest Practices and Environ. Protection.**
- **NR 320 Watershed Management.**
- **NR 326 Natural Resources Econ. & Valuation.**
- **NR 335 Conflict Mgmt. in Natural Resources.**
- **NR 365 Silviculture and Vegetation Management.**
- **NR 402 Forest Health.**
- **NR 412 Forest and Natural Resources Senior Assessment Project or NR 461 Sr. Project I or CRP 212 Introduction to Urban Planning.**

1. **NR 414 Sustainable Forest Management.**
2. **NR 416 Environmental Impact Analysis & Mgmt.**
3. **NR 435 Natural Resources Policy Analysis.**
4. **NR 465 Ecosystem Management.**
5. **Concentration courses.**

#### SUPPORT

- **AGB 212 Agricultural Economics.**
- **ASCI 329 Principles of Range Mgmt. or ASCI 370 or BIO 427 Wildlife Mgmt. or PHYS 122 (11/17/15).**
- **BOT 121 General Botany (B2&B4)*.**
- **BRAE/NR 247 Forest Surveying or BRAE 239 Engineering Surveying.**
- **BRAE 345 Aerial Photogram. & Remote Sensing.**
- **CHEM 111 Survey of Chemistry (B3)*.**
- **MATH 161 Calculus for the Life Sciences I or MATH 221 Calculus for Bus & Econ (B1)*.**
- **SS 121 Introductory Soil Science.**
- **STAT 217 or STAT 218 Statistics (B1)*.**
- **Approved science course.**

1. **BOT 313, CHEM 312, or PHYS 121.**

#### GENERAL EDUCATION (GE)

- **72 units required, 16 of which are specified in Support.**
- **See page 39 for complete GE course listing.**
- **Minimum of 12 units required at the 300 level.**

**Area A Communication (12 units)**
### Forest and Environmental Practices Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 339 Internship</td>
<td>6</td>
</tr>
<tr>
<td>NR 475 Sustainable Forest and Env. Practices</td>
<td>15</td>
</tr>
</tbody>
</table>

Approved electives. ........................................... 11

Select 11 units from the following:
- AG 360; AGB 315
- BIO 435; BOT 238, 324
- BRAE 133, 151, 340
- CRP 212, 336, 420
- EHS 382, 421
- JOUR 203, 205
- MCRO 436
- NR 204, NR/ES 308, NR 312, 340, 350
- NR/ES 360, NR 400, NR/CRP 404, 408, NR 418, 420, NR/BIO/SS 421, NR 434, 450, 455
- SS 221, 321, 433, 440
- PPSC 321, 327
- any upper division BIO, BOT, ZOO, MCRO, CHEM, COMS, or JOUR course
- any DMHS course

Total units: 32

### Urban Forestry Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRP 212 Introduction to Urban Planning</td>
<td>4</td>
</tr>
<tr>
<td>EHS 421 Arboriculture</td>
<td>4</td>
</tr>
<tr>
<td>NR 311 Environmental Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>NR 339 Internship</td>
<td>6</td>
</tr>
<tr>
<td>NR 350 Urban Forestry</td>
<td>3</td>
</tr>
<tr>
<td>NR 450 Community Forestry</td>
<td>3</td>
</tr>
</tbody>
</table>

Approved electives. ........................................... 8

Select 8-10 units from the following:
- EHS 230, 337, 381
- HCS 327
- NR 204, 340, 400, 418, 455; NR/CRP 404; NR/ES 406 (6/30/13)
- SS 433

Total units: 32

### Watershed Management and Hydrology Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 420 Advanced Watershed Hydrology</td>
<td>4</td>
</tr>
<tr>
<td>SS 321 Soil Morphology</td>
<td>4</td>
</tr>
<tr>
<td>SS 440 Forest and Range Soils or ERSC 323</td>
<td>4</td>
</tr>
</tbody>
</table>

Approved electives. (select one track) .................................. 20

1. Select 4 units from: BRAE 435, NR/BIO/SS 421, or NR/HNRS 475
2. Select 8 units from: ENVE 434, ERSC 323, GEOL 201 and GEOL 241, NR/HNRS 475 (4 units max), PHYS 107; or SS 440
3. MATH 162 Calculus for Life Sciences II (4)
4. Select 4 units from: STAT 313 (4) or NR/HNRS 475 (max 1 unit) and NR 418 (3)

**Track 1:**
- (a) Select 4 units from: BRAE 435, NR/BIO/SS 421, or NR/HNRS 475
- (b) Select 8 units from: ENVE 434, ERSC 323, GEOL 201 and GEOL 241, NR/HNRS 475 (4 units max), PHYS 107; or SS 440
- (c) MATH 162 Calculus for Life Sciences II (4)
- (d) Select 4 units from: STAT 313 (4) or NR/HNRS 475 (max 1 unit) and NR 418 (3)

**Track 2 – Select 20 units from:**
- BRAE 435, CHEM 312, ENVE 434, GEOL 201, 241, NR 339, NR/BIO/SS 421, NR/HNRS 475 (9 units max), PHYS 107, 121, or STAT 313

Total units: 32

### Wildland Fire and Fuels Management Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 204 Wildland Fire Control</td>
<td>3</td>
</tr>
<tr>
<td>NR 339 Internship</td>
<td>6</td>
</tr>
<tr>
<td>NR 340 Wildland Fire Management</td>
<td>3</td>
</tr>
<tr>
<td>NR 455 Wildland-Urban Interface Fire Protection</td>
<td>3</td>
</tr>
</tbody>
</table>

Approved electives. ........................................... 17

Select 17 units from the following:
- BOT 326, 433
- CRP 212, 336, 342, 458
- CRP/NR 404, 408
- EHS 230, 381, 421
- ERSC 415
- KINE 280
- LA 221
- NR 203, NR/ES 308, 406; NR 312, 350, 418, 420, 425, 450, 456; NR/HNRS 475 (6/30/13)
- PHYS 107
- SS 321, 440
- UNIV 339
- any upper division COMS course
- any DMHS course
- any CSU-transferable course recognized by Cal Regional Fire Academy
- any CSU-transferable fire technology course
- any CSU-transferable emergency medical technician course

Total units: 32

### Individualized Course of Study

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR 339 Internship in Forest and Natural Resources</td>
<td>6</td>
</tr>
</tbody>
</table>

4 units of NR coursework. ........................................... 4

Select any course used in minor(s). ................................ 22

Total units: 32

1 Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.

2 Students following Track 1 of Watershed Management and Hydrology Concentration must take MATH 161.

3 If a course is taken to meet a requirement, it cannot be double-counted as an approved elective for the concentration.

4 This track is designed to prepare students to become eligible for hydrology positions and meets the criteria for employment eligibility in the federal government (GS 1315).

Footnote corrections effective Summer 2011