

## Overview of the Five Options of the Undergraduate Forestry Program

| FORESTRY MAJOR REQUIREMENTS                          |  | Additional requirements for each of the five options:   |   |  |   |  |
|--|--|---|---|--|---|--|
| Required Lower Division<br>GE                        | Required Upper Division<br>GE  | FOREST<br>HYDROLOGY<br>OPTION   | FOREST<br>PRODUCTION<br>MANAGEMENT<br>OPTION  | FOREST<br>RESOURCE<br>CONSERVATION<br>OPTION | WILDLAND FIRE<br>MANAGEMENT<br>OPTION       | FOREST SOILS<br>OPTION   |
|  |  | Total Units = 124   | Total Units = 124   | Total Units = 124                            | Total Units = 124                           | Total Units = 124  |
| <b>Area B Life Forms</b> 3<br>Gen'l Bot or Biol      | <b>NRPI 309</b> 3<br>Com NR Con Res  | <b>GEOL 109</b> 4<br>Gen'l Geology  | <b>FOR 350</b> 4<br>Harvest Systems   | <b>FOR 321</b> 3<br>Fire Ecology             | <b>FOR 321</b> 3<br>Fire Ecology            | <b>GEOL 109</b> 4<br>Gen'l Geology   |
| <b>Area B Physical Univ</b> 3<br>Fund'l Chemistry    | <b>RRS 306</b> 3<br>Rnglnd Res Prinp   | <b>GEOL 350</b> 3<br>Gen'l Geomorph   | <b>FOR 353</b> 3<br>Road Loc & Design   | <b>FOR 374</b> 3<br>Wild Area Mgmt           | <b>FOR 323</b> 4<br>Wldlnd Fire Behav       | <b>SOIL 360</b> 3<br>Origin & Class Soils  |
| <b>Area B Math Concep</b> 3<br>Calc for Bio Sci & NR | <b>[OR FISH 300]</b><br>Intro to Fish Biol<br><b>[OR WLDF 300]</b><br>Wldf Ecol & Mgmt | <b>MATH 205</b> 3<br>Mult Calc NR/Bio   | <b>FOR 365</b> 4<br>Financial Admin   | <b>[OR FOR 431]</b><br>Forest Restoration    | <b>FOR 423</b> 3<br>Wldlnd Fuels Mgt        | <b>SOIL 363</b> 3<br>Wetland Soils   |
| <b>Lower Division Core</b>                           |  | <b>PHYX 106</b> 4<br>Coll Phys Mech<br><b>[OR PHYX 109]</b><br>Gen Phys Mech                                  | <b>FOR 450</b> 3<br>Harvest Sys Des   | <b>FOR 365</b> 4<br>Financial Admin          | <b>FOR 425</b> 1<br>Capstone                | <b>SOIL 460</b> 3<br>For and Rnge Soils  |
| <b>FOR 116</b> 3<br>Forest Environment               | <b>Upper Division Core</b>   | <b>SOIL 467</b> 3<br>Soil Physics   | <b>FOR 475</b> 3<br>Mgmt Dec Making   | <b>FOR 430</b> 3<br>Forest Ecosys            | <b>FOR 431</b> 3<br>Forest Restoration      | <b>SOIL 461</b> 1<br>Capstone  |
| <b>FOR 210</b> 4<br>Forest Measurements              | <b>FOR 311</b> 4<br>Mensur & Growth  | <b>WSHD 424</b> 3<br>Wshd Hydrology   | <b>FOR 477</b> 1<br>Capstone  | <b>FOR 433</b> 1<br>Capstone                 | <b>RRS 370</b> 3<br>Rnglnd Ecol Prin        | <b>SOIL 465</b> 3<br>Soil Microbiology   |
| <b>FOR 216</b> 4<br>Remote Sensing & GIS             | <b>FOR 331</b> 4<br>Silvics  | <b>WSHD 425</b> 1<br>Capstone   | <i>Plus 3 Units Technical<br/>Electives</i>   | <b>WSHD 458</b> 3<br>Land Use & Clim         | <i>Plus 4 Units Technical<br/>Electives</i> | <b>[OR SOIL 462]</b><br>Soil Fertility   |
| <b>FOR 222</b> 3<br>Health & Protection              | <b>FOR 432</b> 4<br>Silviculture   |   |   | <i>Plus 4 Units Technical<br/>Electives</i>  |   | <b>[OR SOIL 467]</b><br>Soil Physics   |
| <b>FOR 223</b> 2<br>Intro to Wldld Fire              | <b>FOR 470</b> 1<br>Prof Forestry Ethics   |   |   |  |   | <i>Plus 4 Units Technical<br/>Electives</i>  |
| <b>FOR 230</b> 3<br>Dendrology                       | <b>FOR 471</b> 3<br>Forest Admin   | Option Total Units = 21   | Option Total Units = 21   | Option Total Units = 21                      | Option Total Units = 21                     | Option Total Units = 21  |
| <b>FOR 231</b> 3<br>Forest Ecology                   | <b>WSHD 310</b> 4<br>Hydro & Wshd Mgmt   | This program meets<br>the qualifications for<br>"Forester" and<br>"Hydrologist" in<br>Federal employment.     | These three programs meet the qualifications for "Forester" in Federal<br>employment. |  |   | This program meets<br>the qualifications for<br>"Forester" and "Soil<br>Scientist" in Federal<br>employment. |
| <b>FOR 250</b> 3<br>Intro to Forest Oper             | <b>Total Unit Summary</b>  | These four programs are accredited by the Society of American Foresters                                       |   |  |   |  |
| <b>FOR 285</b> 1<br>Department Seminar               | Required Low. Div. GE = 9  | All five options meet the educational requirements to qualify for the State of California RPF licensing exam. |   |  |   |  |
| <b>SOIL 260</b> 3<br>Intro to Soil Science           | Required Upp. Div. GE = 6  |   |   |  |   |  |
| <b>Intro Statistics</b> 3                            | Lower Division Core = 32<br>Upper Division Core = 20                                   |   |   |  |   |  |