

| MAJOR REQUIREMENTS | |
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| LOWER-DIVISION REQUIREMENTS | |
| A. Earth System Science | B. Mathematics/Statistics |
| ____ EarthSS 1 or 3 or 5 | ____ Math 2A |
| ____ EarthSS 51 | ____ Math 2B |
| ____ EarthSS 53 | ____ Stats 7 |
| ____ EarthSS 55 | |
| C. Chemistry | D. Physics |
| ____ Chem 1A-1B-1C-1LC-1LD | ____ Physics 3A-3B-3C-3LB-3LC |
| OR | OR |
| ____ Chem H2A-H2B-H2C-H2LA-H2LB-H2LC | ____ Physics 7C-7LC-7E |
| UPPER-DIVISION REQUIREMENTS | |
| E. Earth System Science | |
| ____ EarthSS 114 or 115 | ____ EarthSS 116 ____ EarthSS 192 |
| ADDITIONAL ELECTIVES | |
| F. Electives - Seven electives from the following; at least 4 must be upper-division EarthSS courses. | |
| <div style="display: flex; justify-content: space-around;"> <div>____ (EarthSS)</div> <div>____ (EarthSS)</div> <div>____ (EarthSS)</div> <div>____ (EarthSS)</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>_____</div> <div>_____</div> <div>_____</div> </div> | |
| <u>Earth System Science</u> : Any 4-unit upper-division course (100-199) except 114, 115, 116, 198 or H198; EarthSS 199/H199 may be counted only once <u>Chemistry</u> : 51A, 51B/LB, 51C/LC, 141 <u>Physics</u> : 115A <u>Mathematics</u> : 2D, 3A, 3D, 105A, 112A, 115 <u>Mechanical and Aerospace Engineering (MAE)</u> : 91, 130A, 164 <u>Civil and Environmental Engineering (CEE)</u> : 162, 171, 172, 176, 178 <u>Biological Sciences</u> : 93, 94, 98, E106, E120, E150, E179, E179L, E189 <u>Public Health</u> : 161, 163, 171, 173 <u>Urban Planning and Public Policy (UPPP)</u> : 133, 139, 145 <u>Computing Skills</u> (one of the following may be counted toward the degree): ICS 31, EECS 10, MAE 10, Physics 53, or approved programming course | |

Notes:

| SPECIALIZATIONS/CONCENTRATION | | | | | | | | | | | | | | | |
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| <p>Students interested in declaring a concentration or specialization should contact the Physical Sciences Student Affairs Office. Additional information on focus areas can be found on the Earth System Science Department website: https://www.ess.uci.edu/bachelor-science-earth-system-science</p> | | | | | | | | | | | | | | | |
| SPECIALIZATION IN ATMOSPHERIC SCIENCE | | | | | | | | | | | | | | | |
| <p>Courses may be used to fulfill electives in section F, where overlap exists. Three courses from: EarthSS 122, 124, 142, 198/H198/199/H199A-B-C* _____ Plus one advanced tools course from: EarthSS 118, 134, 138 _____ <i>*Research must be focused on atmospheric research and may be counted only once.</i></p> | | | | | | | | | | | | | | | |
| SPECIALIZATION IN OCEANOGRAPHY | | | | | | | | | | | | | | | |
| <p>Courses may be used to fulfill electives in section F, where overlap exists. Three courses from: EarthSS 130, 144, 148, 171, 198/H198/199/H199A-B-C* _____ Plus one advanced tools course from: EarthSS 118, 138 _____ <i>*Research must be focused on oceanographic research and may be counted only once.</i></p> | | | | | | | | | | | | | | | |
| SPECIALIZATION IN HYDROLOGY AND TERRESTRIAL ECOSYSTEMS | | | | | | | | | | | | | | | |
| <p>Courses may be used to fulfill electives in section F, where overlap exists. Three courses from: EarthSS 132, 133 or 140, 156, 198/H198/199/H199A-B-C* _____ Plus one advanced tools course from: EarthSS 118, 134, 138 _____ <i>*Research must be focused on terrestrial research and may be counted only once.</i></p> | | | | | | | | | | | | | | | |
| CONCENTRATION IN GEOSCIENCES EDUCATION WITH SECONDARY TEACHING CREDENTIAL | | | | | | | | | | | | | | | |
| <p>In addition to the major requirements listed, all of the following must be completed:</p> <table border="0"> <tr> <td>____ EarthSS 7 or 140</td> <td>____ Physics 20A or 20B</td> <td>____ LPS 60</td> </tr> <tr> <td>____ Phy Sci 5</td> <td>____ Phy Sci 105</td> <td>____ Chem 193</td> </tr> <tr> <td>____ Educ 55</td> <td>____ Educ 109</td> <td>____ or Physics 193</td> </tr> <tr> <td>____ Educ 143AW</td> <td>____ Educ 143BW</td> <td>____ Educ 148</td> </tr> <tr> <td>____ Educ 158</td> <td>____ Educ 158</td> <td></td> </tr> </table> <p>This concentration allows students to earn a bachelor's degree and complete the required course work and field experience for a California Preliminary Single Subject Teaching Credential at the same time.</p> | ____ EarthSS 7 or 140 | ____ Physics 20A or 20B | ____ LPS 60 | ____ Phy Sci 5 | ____ Phy Sci 105 | ____ Chem 193 | ____ Educ 55 | ____ Educ 109 | ____ or Physics 193 | ____ Educ 143AW | ____ Educ 143BW | ____ Educ 148 | ____ Educ 158 | ____ Educ 158 | |
| ____ EarthSS 7 or 140 | ____ Physics 20A or 20B | ____ LPS 60 | | | | | | | | | | | | | |
| ____ Phy Sci 5 | ____ Phy Sci 105 | ____ Chem 193 | | | | | | | | | | | | | |
| ____ Educ 55 | ____ Educ 109 | ____ or Physics 193 | | | | | | | | | | | | | |
| ____ Educ 143AW | ____ Educ 143BW | ____ Educ 148 | | | | | | | | | | | | | |
| ____ Educ 158 | ____ Educ 158 | | | | | | | | | | | | | | |

Name _____ Student ID _____

UNIVERSITY OF CALIFORNIA (UC) REQUIREMENTS

☐ Entry Level Writing
 ☐ American History
 ☐ American Institutions

UC Requirements can be satisfied many different ways. Please contact Physical Sciences Student Affairs for more information on how to satisfy UC Requirements.

GENERAL EDUCATION (GE) REQUIREMENTS

| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #f2f2f2;">IA. LOWER-DIVISION WRITING (2 courses)</td> </tr> <tr><td>1.</td></tr> <tr><td>2.</td></tr> <tr> <td style="background-color: #f2f2f2;">IB. UPPER-DIVISION WRITING (1 course)</td> </tr> <tr><td>1.</td></tr> <tr> <td style="background-color: #f2f2f2;">II. SCIENCE & TECHNOLOGY (3 courses)</td> </tr> <tr><td>1.</td></tr> <tr><td>2.</td></tr> <tr><td>3.</td></tr> <tr> <td style="background-color: #f2f2f2;">III. SOCIAL & BEHAVIORAL SCIENCES (3 courses)</td> </tr> <tr><td>1.</td></tr> <tr><td>2.</td></tr> <tr><td>3.</td></tr> <tr> <td style="background-color: #f2f2f2;">IV. ARTS & HUMANITIES (3 courses)</td> </tr> <tr><td>1.</td></tr> <tr><td>2.</td></tr> <tr><td>3.</td></tr> <tr> <td style="background-color: #f2f2f2;">V. QUANTITATIVE, SYMBOLIC, COMP. REASONING (3 courses)</td> </tr> <tr><td>VA 1.</td></tr> <tr><td>VB 2.</td></tr> <tr><td>VA or VB 3.</td></tr> <tr> <td style="background-color: #f2f2f2;">VI. LANGUAGE OTHER THAN ENGLISH (1C or equivalent)</td> </tr> <tr><td>1.</td></tr> <tr> <td style="background-color: #f2f2f2;">VII. MULTICULTURAL STUDIES (1 course)</td> </tr> <tr><td>1.</td></tr> <tr> <td style="background-color: #f2f2f2;">VIII. INTERNATIONAL/GLOBAL ISSUES (1 course)</td> </tr> <tr><td>1.</td></tr> </table> | IA. LOWER-DIVISION WRITING (2 courses) | 1. | 2. | IB. UPPER-DIVISION WRITING (1 course) | 1. | II. SCIENCE & TECHNOLOGY (3 courses) | 1. | 2. | 3. | III. SOCIAL & BEHAVIORAL SCIENCES (3 courses) | 1. | 2. | 3. | IV. ARTS & HUMANITIES (3 courses) | 1. | 2. | 3. | V. QUANTITATIVE, SYMBOLIC, COMP. REASONING (3 courses) | VA 1. | VB 2. | VA or VB 3. | VI. LANGUAGE OTHER THAN ENGLISH (1C or equivalent) | 1. | VII. MULTICULTURAL STUDIES (1 course) | 1. | VIII. INTERNATIONAL/GLOBAL ISSUES (1 course) | 1. | <div style="background-color: #f2f2f2; padding: 5px; margin-bottom: 10px;"> TRANSFER STUDENTS: <input type="checkbox"/> Partial IGETC <input type="checkbox"/> Full IGETC <i>Cert. Received.</i> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> <div style="background-color: #333; color: white; padding: 10px; margin-bottom: 10px;"> <p style="text-align: center; margin: 0;">Physical Sciences Student Affairs http://ps.uci.edu/undergraduates</p> <p style="text-align: center; margin: 0;">Earth System Science Department http://www.ess.uci.edu</p> <p style="text-align: center; margin: 0;">School of Physical Sciences http://ps.uci.edu/</p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3" style="background-color: #f2f2f2;">EARTH SYSTEM SCIENCE SAMPLE STUDY PLAN</th> </tr> <tr> <th style="width: 33%;">FALL</th> <th style="width: 33%;">WINTER</th> <th style="width: 33%;">SPRING</th> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr> <td colspan="3" style="background-color: #f2f2f2;"><i>Freshman</i></td> </tr> <tr><td>Math 2A</td><td>Math 2B</td><td>Stats 7</td></tr> <tr><td>Chem 1A</td><td>Chem 1B</td><td>Chem 1C, 1LC</td></tr> <tr><td>EarthSS 1</td><td>Gen Ed/Elective</td><td>Gen Ed/Elective</td></tr> <tr><td>EarthSS 45</td><td>Gen Ed/Elective</td><td>Gen Ed/Elective</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr> <td colspan="3" style="background-color: #f2f2f2;"><i>Sophomore</i></td> </tr> <tr><td>EarthSS 51</td><td>EarthSS 53</td><td>EarthSS 55</td></tr> <tr><td>Physics 3A</td><td>Physics 3B, 3LB</td><td>Physics 3C, 3LC</td></tr> <tr><td>Chem 1LD</td><td>Gen Ed/Elective</td><td>Gen Ed/Elective</td></tr> <tr><td>Gen Ed/Elective</td><td>Gen Ed/Elective</td><td>Gen Ed/Elective</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr> <td colspan="3" style="background-color: #f2f2f2;"><i>Junior</i></td> </tr> <tr><td>EarthSS 114</td><td>EarthSS 116</td><td>EarthSS Elective</td></tr> <tr><td>EarthSS 192</td><td>Approved Elective</td><td>EarthSS Elective</td></tr> <tr><td>Gen Ed/Elective</td><td>Gen Ed/Elective</td><td>Elective</td></tr> <tr><td>Elective</td><td>Elective</td><td>Elective</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr> <td colspan="3" style="background-color: #f2f2f2;"><i>Senior</i></td> </tr> <tr><td>EarthSS Elective</td><td>EarthSS Elective</td><td>EarthSS Elective</td></tr> <tr><td>Approved Elective</td><td>Elective</td><td>Elective</td></tr> <tr><td>Elective</td><td>Elective</td><td>Elective</td></tr> <tr><td>Elective</td><td>Elective</td><td>Elective</td></tr> </table> | EARTH SYSTEM SCIENCE SAMPLE STUDY PLAN | | | FALL | WINTER | SPRING | | | | <i>Freshman</i> | | | Math 2A | Math 2B | Stats 7 | Chem 1A | Chem 1B | Chem 1C, 1LC | EarthSS 1 | Gen Ed/Elective | Gen Ed/Elective | EarthSS 45 | Gen Ed/Elective | Gen Ed/Elective | | | | <i>Sophomore</i> | | | EarthSS 51 | EarthSS 53 | EarthSS 55 | Physics 3A | Physics 3B, 3LB | Physics 3C, 3LC | Chem 1LD | Gen Ed/Elective | Gen Ed/Elective | Gen Ed/Elective | Gen Ed/Elective | Gen Ed/Elective | | | | <i>Junior</i> | | | EarthSS 114 | EarthSS 116 | EarthSS Elective | EarthSS 192 | Approved Elective | EarthSS Elective | Gen Ed/Elective | Gen Ed/Elective | Elective | Elective | Elective | Elective | | | | <i>Senior</i> | | | EarthSS Elective | EarthSS Elective | EarthSS Elective | Approved Elective | Elective | Elective | Elective | Elective | Elective | Elective | Elective | Elective |
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| IA. LOWER-DIVISION WRITING (2 courses) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| IB. UPPER-DIVISION WRITING (1 course) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| II. SCIENCE & TECHNOLOGY (3 courses) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| III. SOCIAL & BEHAVIORAL SCIENCES (3 courses) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IV. ARTS & HUMANITIES (3 courses) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 2. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V. QUANTITATIVE, SYMBOLIC, COMP. REASONING (3 courses) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VA 1. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VB 2. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VA or VB 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VI. LANGUAGE OTHER THAN ENGLISH (1C or equivalent) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| VII. MULTICULTURAL STUDIES (1 course) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VIII. INTERNATIONAL/GLOBAL ISSUES (1 course) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EARTH SYSTEM SCIENCE SAMPLE STUDY PLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FALL | WINTER | SPRING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <i>Freshman</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Math 2A | Math 2B | Stats 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chem 1A | Chem 1B | Chem 1C, 1LC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EarthSS 1 | Gen Ed/Elective | Gen Ed/Elective | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EarthSS 45 | Gen Ed/Elective | Gen Ed/Elective | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| EarthSS 51 | EarthSS 53 | EarthSS 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Physics 3A | Physics 3B, 3LB | Physics 3C, 3LC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chem 1LD | Gen Ed/Elective | Gen Ed/Elective | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <i>Junior</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EarthSS 114 | EarthSS 116 | EarthSS Elective | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EarthSS 192 | Approved Elective | EarthSS Elective | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gen Ed/Elective | Gen Ed/Elective | Elective | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <i>Senior</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Approved Elective | Elective | Elective | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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