Physics

<table>
<thead>
<tr>
<th>PHYS</th>
<th>Fall 16</th>
<th>Spring 17</th>
<th>Fall 17</th>
<th>Spring 18</th>
<th>Fall 18</th>
<th>Spring 19</th>
<th>3 Yr Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>FTES</td>
<td>66</td>
<td>72</td>
<td>70</td>
<td>66</td>
<td>69</td>
<td>72</td>
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<td>5.4</td>
<td>5.3</td>
<td>5.4</td>
<td>5.4</td>
<td>5.5</td>
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<td>5.4</td>
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<tr>
<td>Efficiency (WSCH/FTEF)</td>
<td>381</td>
<td>419</td>
<td>403</td>
<td>380</td>
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<tr>
<td>Fill Rate</td>
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<tr>
<td>Department Retention</td>
<td>85%</td>
<td>88%</td>
<td>85%</td>
<td>83%</td>
<td>83%</td>
<td>87%</td>
<td>85%</td>
</tr>
<tr>
<td>Department Success</td>
<td>74%</td>
<td>78%</td>
<td>76%</td>
<td>75%</td>
<td>75%</td>
<td>80%</td>
<td>76%</td>
</tr>
<tr>
<td>Online Retention</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
</tr>
<tr>
<td>Online Success</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
<td>#DIV/0!</td>
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</tr>
</tbody>
</table>

Science and Math

(28, 95,450 and 800 Courses)

More program information at the link below
https://inside.sierracollege.edu/rp/Pages/Dashboards.aspx
## Instructional FTE by Load Type

<table>
<thead>
<tr>
<th>Load Type</th>
<th>Fall 16</th>
<th>Spring 17</th>
<th>Fall 17</th>
<th>Spring 18</th>
<th>Fall 18</th>
<th>Spring 19</th>
<th>3 Yr Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT</td>
<td>2.84</td>
<td>2.87</td>
<td>2.83</td>
<td>2.89</td>
<td>2.39</td>
<td>2.40</td>
<td>2.70</td>
</tr>
<tr>
<td>PT</td>
<td>2.32</td>
<td>2.17</td>
<td>2.03</td>
<td>1.83</td>
<td>2.45</td>
<td>2.99</td>
<td>2.39</td>
</tr>
<tr>
<td>OV</td>
<td>0.23</td>
<td>0.34</td>
<td>0.52</td>
<td>0.66</td>
<td>0.68</td>
<td>0.20</td>
<td>0.44</td>
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<tr>
<td><strong>Total FTE</strong></td>
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<td><strong>5.38</strong></td>
<td><strong>5.38</strong></td>
<td><strong>5.38</strong></td>
<td><strong>5.52</strong></td>
<td><strong>5.59</strong></td>
<td><strong>5.44</strong></td>
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## FT/PT Ratio (FT%)

<table>
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<th>Semester</th>
<th>Fall 16</th>
<th>Spring 17</th>
<th>Fall 17</th>
<th>Spring 18</th>
<th>Fall 18</th>
<th>Spring 19</th>
<th>3 Yr Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept</td>
<td>54%</td>
<td>55%</td>
<td>53%</td>
<td>54%</td>
<td>58%</td>
<td>51%</td>
<td>54%</td>
</tr>
<tr>
<td>Rocklin</td>
<td>57%</td>
<td>55%</td>
<td>57%</td>
<td>56%</td>
<td>64%</td>
<td>55%</td>
<td>57%</td>
</tr>
<tr>
<td>NCC</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
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</tbody>
</table>

## 2018/19 FT% for FT/PT Ratio

- 56% Fall 18
- 51% Spring 19

## FTE by Load Type

<table>
<thead>
<tr>
<th>Load Type</th>
<th>Fall 16</th>
<th>Spring 17</th>
<th>Fall 17</th>
<th>Spring 18</th>
<th>Fall 18</th>
<th>Spring 19</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT</td>
<td>2.40</td>
<td>2.99</td>
<td>0.20</td>
<td></td>
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<td>PT</td>
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<td></td>
<td></td>
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</tbody>
</table>

## Staff Headcount

<table>
<thead>
<tr>
<th>Fall 16</th>
<th>Spring 17</th>
<th>Fall 17</th>
<th>Spring 18</th>
<th>Fall 18</th>
<th>Spring 19</th>
<th>3 Yr Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT Assigned</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3.00</td>
</tr>
<tr>
<td>FT Teaching</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>4</td>
<td>6</td>
<td>4.50</td>
</tr>
<tr>
<td>PT</td>
<td></td>
<td></td>
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## Majors

<table>
<thead>
<tr>
<th>Fall 16</th>
<th>Spring 17</th>
<th>Fall 17</th>
<th>Spring 18</th>
<th>Fall 18</th>
<th>Spring 19</th>
<th>3 Yr Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>19</td>
<td>25</td>
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<td>9</td>
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<td>3</td>
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<td>Physics for Transfer</td>
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<td>42</td>
<td>55</td>
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<td>56</td>
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## Awards

<table>
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<tr>
<th>Year</th>
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<th>2017-18</th>
<th>2018-19</th>
<th>3 Yr Avg</th>
</tr>
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<tbody>
<tr>
<td>AA</td>
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<td>12</td>
<td>9</td>
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<tr>
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<td>10</td>
<td>8.33</td>
</tr>
<tr>
<td>AA-T</td>
<td>5</td>
<td>10</td>
<td>10</td>
<td>#DIV/0!</td>
</tr>
<tr>
<td>AS-T</td>
<td>5</td>
<td>10</td>
<td>10</td>
<td>#DIV/0!</td>
</tr>
<tr>
<td>Certificate</td>
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<td>10</td>
<td>10</td>
<td>#DIV/0!</td>
</tr>
<tr>
<td>Total</td>
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<td>22</td>
<td>19</td>
<td>19.00</td>
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## Course Outcomes

<table>
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<tr>
<th>Course Outcomes</th>
<th># of Active Courses</th>
<th># Courses Assessed</th>
<th># Active Learning Outcomes</th>
<th>Outcomes Assessed</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>16</td>
<td>12</td>
<td>59</td>
<td>20</td>
</tr>
</tbody>
</table>

## Program Outcomes

<table>
<thead>
<tr>
<th>Program Outcomes</th>
<th># of Program Outcomes</th>
<th>Outcomes Assessed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16</td>
<td>20</td>
</tr>
</tbody>
</table>

---

Active Course = Taught during the previous 3 years
Outcomes Assessed = Outcomes assessed during the previous 3 yrs
Active Learning Outcomes = Active Course outcomes
Program Outcomes = Active Program Level Outcomes
Course Assessed = Course assessed and SAA submitted during the previous 3 years

More program information at the link below
https://inside.sierracollege.edu/rp/Pages/Dashboards.aspx

PRRD - 3/11/2020
### Retention/Success by Ethnicity

<table>
<thead>
<tr>
<th></th>
<th>Fall 16 Enr.</th>
<th>Spring 17 Enr.</th>
<th>Fall 17 Enr.</th>
<th>Spring 17 Enr.</th>
<th>Fall 18 Enr.</th>
<th>Spring 18 Enr.</th>
<th>Fall 19 Enr.</th>
<th>Spring 19 Enr.</th>
<th>3 Yr Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>African American Ret.</strong></td>
<td>15</td>
<td>12</td>
<td>67%</td>
<td>9</td>
<td>100%</td>
<td>15</td>
<td>67%</td>
<td>9</td>
<td>100%</td>
</tr>
<tr>
<td><strong>African American Succ.</strong></td>
<td>60%</td>
<td>33%</td>
<td>89%</td>
<td>89%</td>
<td>89%</td>
<td>89%</td>
<td>65%</td>
<td>65%</td>
<td>65%</td>
</tr>
<tr>
<td><strong>Amer Indian/Alaskan Nat Ret.</strong></td>
<td>13</td>
<td>21</td>
<td>100%</td>
<td>16</td>
<td>81%</td>
<td>17</td>
<td>71%</td>
<td>18</td>
<td>83%</td>
</tr>
<tr>
<td><strong>Amer Indian/Alaskan Nat Succ.</strong></td>
<td>77%</td>
<td>91%</td>
<td>81%</td>
<td>72%</td>
<td>72%</td>
<td>72%</td>
<td>76%</td>
<td>76%</td>
<td>76%</td>
</tr>
<tr>
<td><strong>Asian Ret.</strong></td>
<td>92%</td>
<td>105</td>
<td>93%</td>
<td>61</td>
<td>82%</td>
<td>78</td>
<td>86%</td>
<td>70</td>
<td>87%</td>
</tr>
<tr>
<td><strong>Asian Succ.</strong></td>
<td>84%</td>
<td>73%</td>
<td>66%</td>
<td>71%</td>
<td>71%</td>
<td>71%</td>
<td>76%</td>
<td>76%</td>
<td>76%</td>
</tr>
<tr>
<td><strong>Filipino Ret.</strong></td>
<td>86%</td>
<td>73%</td>
<td>83%</td>
<td>87%</td>
<td>89%</td>
<td>89%</td>
<td>84%</td>
<td>84%</td>
<td>84%</td>
</tr>
<tr>
<td><strong>Filipino Succ.</strong></td>
<td>43%</td>
<td>74%</td>
<td>73%</td>
<td>73%</td>
<td>73%</td>
<td>73%</td>
<td>71%</td>
<td>71%</td>
<td>71%</td>
</tr>
<tr>
<td><strong>Hispanic/Latino Ret.</strong></td>
<td>70%</td>
<td>93</td>
<td>85%</td>
<td>69</td>
<td>86%</td>
<td>74</td>
<td>69%</td>
<td>88</td>
<td>81%</td>
</tr>
<tr>
<td><strong>Hispanic/Latino Succ.</strong></td>
<td>67%</td>
<td>72%</td>
<td>71%</td>
<td>50%</td>
<td>70%</td>
<td>80%</td>
<td>69%</td>
<td>80%</td>
<td>80%</td>
</tr>
<tr>
<td><strong>Pacific Islander Ret.</strong></td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>70%</td>
<td>100%</td>
<td>100%</td>
<td>70%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Pacific Islander Succ.</strong></td>
<td>50%</td>
<td>78%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Other/Multi-Ethnic Ret.</strong></td>
<td>22</td>
<td>21</td>
<td>100%</td>
<td>50</td>
<td>84%</td>
<td>39</td>
<td>77%</td>
<td>37</td>
<td>73%</td>
</tr>
<tr>
<td><strong>Other/Multi-Ethnic Succ.</strong></td>
<td>96%</td>
<td>91%</td>
<td>80%</td>
<td>69%</td>
<td>73%</td>
<td>95%</td>
<td>82%</td>
<td>95%</td>
<td>95%</td>
</tr>
<tr>
<td><strong>Unknown/Declined Ret.</strong></td>
<td>100%</td>
<td>12</td>
<td>67%</td>
<td>2</td>
<td>100%</td>
<td>4</td>
<td>100%</td>
<td>1</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Unknown/Declined Succ.</strong></td>
<td>100%</td>
<td>67%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>90%</td>
<td>90%</td>
</tr>
<tr>
<td><strong>White Ret.</strong></td>
<td>83%</td>
<td>392</td>
<td>87%</td>
<td>431</td>
<td>84%</td>
<td>395</td>
<td>86%</td>
<td>378</td>
<td>84%</td>
</tr>
<tr>
<td><strong>White Succ.</strong></td>
<td>74%</td>
<td>81%</td>
<td>77%</td>
<td>80%</td>
<td>77%</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
</tr>
<tr>
<td><strong>Disparate Threshold (Succ.)</strong></td>
<td>59%</td>
<td>65%</td>
<td>62%</td>
<td>64%</td>
<td>62%</td>
<td>64%</td>
<td>63%</td>
<td>63%</td>
<td>63%</td>
</tr>
</tbody>
</table>

### Retention/Success by Equity Pop.

<table>
<thead>
<tr>
<th></th>
<th>Fall 16 Enr.</th>
<th>Spring 17 Enr.</th>
<th>Fall 17 Enr.</th>
<th>Spring 17 Enr.</th>
<th>Fall 18 Enr.</th>
<th>Spring 18 Enr.</th>
<th>Fall 19 Enr.</th>
<th>Spring 19 Enr.</th>
<th>3 Yr Avg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Students with Disabilities Ret.</strong></td>
<td>44</td>
<td>41</td>
<td>81%</td>
<td>71%</td>
<td>68%</td>
<td>40</td>
<td>70%</td>
<td>44</td>
<td>80%</td>
</tr>
<tr>
<td><strong>Students with Disabilities Succ.</strong></td>
<td>68%</td>
<td>71%</td>
<td>68%</td>
<td>65%</td>
<td>65%</td>
<td>40%</td>
<td>50%</td>
<td>40%</td>
<td>50%</td>
</tr>
<tr>
<td><strong>Foster Youth Ret.</strong></td>
<td>3</td>
<td>100%</td>
<td>100%</td>
<td>1</td>
<td>100%</td>
<td>1</td>
<td>100%</td>
<td>1</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Foster Youth Succ.</strong></td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Low Income Ret.</strong>*</td>
<td>249</td>
<td>242</td>
<td>84%</td>
<td>297</td>
<td>79%</td>
<td>311</td>
<td>80%</td>
<td>301</td>
<td>84%</td>
</tr>
<tr>
<td><strong>Low Income Succ.</strong>*</td>
<td>73%</td>
<td>72%</td>
<td>76%</td>
<td>72%</td>
<td>72%</td>
<td>73%</td>
<td>77%</td>
<td>73%</td>
<td>77%</td>
</tr>
<tr>
<td><strong>Veteran Ret.</strong></td>
<td>21</td>
<td>11</td>
<td>100%</td>
<td>19</td>
<td>89%</td>
<td>24</td>
<td>67%</td>
<td>7</td>
<td>43%</td>
</tr>
<tr>
<td><strong>Veteran Succ.</strong></td>
<td>62%</td>
<td>64%</td>
<td>84%</td>
<td>54%</td>
<td>43%</td>
<td>65%</td>
<td>43%</td>
<td>66%</td>
<td>66%</td>
</tr>
<tr>
<td><strong>Female Ret.</strong></td>
<td>194</td>
<td>248</td>
<td>86%</td>
<td>210</td>
<td>86%</td>
<td>181</td>
<td>81%</td>
<td>191</td>
<td>81%</td>
</tr>
<tr>
<td><strong>Female Succ.</strong></td>
<td>77%</td>
<td>79%</td>
<td>80%</td>
<td>82%</td>
<td>78%</td>
<td>85%</td>
<td>80%</td>
<td>85%</td>
<td>80%</td>
</tr>
<tr>
<td><strong>Male Ret.</strong></td>
<td>420</td>
<td>433</td>
<td>89%</td>
<td>427</td>
<td>80%</td>
<td>431</td>
<td>83%</td>
<td>444</td>
<td>84%</td>
</tr>
<tr>
<td><strong>Male Succ.</strong></td>
<td>74%</td>
<td>76%</td>
<td>74%</td>
<td>72%</td>
<td>73%</td>
<td>77%</td>
<td>74%</td>
<td>77%</td>
<td>77%</td>
</tr>
<tr>
<td><strong>Other/Non-Discolsed Gender Ret.</strong></td>
<td>10</td>
<td>6</td>
<td>100%</td>
<td>14</td>
<td>71%</td>
<td>8</td>
<td>63%</td>
<td>17</td>
<td>88%</td>
</tr>
<tr>
<td><strong>Other/Non-Discolsed Gender Succ.</strong></td>
<td>40%</td>
<td>100%</td>
<td>64%</td>
<td>63%</td>
<td>63%</td>
<td>63%</td>
<td>63%</td>
<td>63%</td>
<td>63%</td>
</tr>
</tbody>
</table>

### Average Success by Group

![Average Success by Group](https://example.com/average-success.png)

More program information at the link below

[https://inside.sierracollege.edu/rp/Pages/Dashboards.aspx](https://inside.sierracollege.edu/rp/Pages/Dashboards.aspx)

**PRRD - 3/11/2020**