Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

<table>
<thead>
<tr>
<th>REQUIRED HIGH SCHOOL CREDITS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>English (4 cr), Social Studies (3 cr), Math (3 cr), Science (3 cr), Health (.5 cr) and Fitness (1.5 cr), Visual and Performing Arts (2 cr), Career and Technical Education (CTE) (1cr), and Personal Pathway Requirements (PPR) (2 cr), Electives (4cr)</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>EDUCATION OPTIONS</th>
<th>TECHNICAL CERTIFICATION Instruction provided through certified training centers</th>
<th>APPRENTICESHIP OPPORTUNITIES To learn more about Apprenticeship, visit Apprenticeship WA website</th>
<th>2-YR OR TECHNICAL DEGREE Find specific colleges at SBCTC</th>
<th>4—YR DEGREE Find specific colleges at Student Achievement Council</th>
</tr>
</thead>
</table>
| SAMPLES | • Biology Technician  
• Biotechnology  
• Laboratory Technician  
• Surveying Technology | • Electronics Technician  
• Engineer Technician  
• Estimator  
• Industrial Instrument Technician  
• Quality Control  
• Technical Engineer | • Biology Technician  
• Biotechnology  
• Laboratory Technician  
• Chemical Technology  
• Engineering Technology  
• Surveying Technology  
• Wildlife and Wild Lands Management | • Aerospace Engineering  
• Bioengineering  
• Animal Genetics  
• Applied Math  
• Meteorology  
• Biology/Chemistry/Physics  
• Civil Engineering  
• Ecology  
• Electrical Engineering  
• Environmental Science  
• Geology  
• Mechanical Engineering  
• Zoology |

<table>
<thead>
<tr>
<th>CAREER OPTIONS</th>
<th>LITTLE OR NO EDUCATION</th>
<th>SOME EDUCATION</th>
<th>MEDIUM EDUCATION</th>
<th>CONSIDERABLE EDUCATION</th>
<th>EXTENSIVE EDUCATION</th>
</tr>
</thead>
</table>
| SAMPLE RELATED JOBS | • Weighers, Measurers, Checkers, and Samplers, Recordkeeping | • Avionics Technician  
• CAD Technician  
• Cartographers/Photogrammetrist  
• Chemical Tech  
• Civil Engineering Tech  
• Computer Programmer  
• Electronics Tech  
• Environmental Science and Protection Tech  
• Forensic Tech  
• Survey Technician | • Biological Technician  
• Biomedical Engineer  
• Chemical Engineers  
• Civil Engineer  
• Electrical Engineer  
• Environmental Engineer  
• Industrial Engineer  
• Materials Engineer  
• Mechanical Engineer  
• Microbiologist  
• Nuclear Engineer | • Aerospace Engineer  
• Biochemists and Biophysicist  
• Conservation Scientist  
• Engineering Mgr  
• Environmental Scientist  
• Epidemiologist  
• Geoscientist  
• Hydrologist  
• Materials Scientist  
• Physicists  
• Zoologist |