

**Rowland Unified School District**  
 Career Certification Program  
 Sequence of Courses

**Computer Science**

<b>Core Courses</b> (One is Required)
<ul style="list-style-type: none"> <li>• Computer Science Essentials (PLTW)</li> <li>• <b>Computer Applications*</b></li> </ul>
<b>Area of Concentration</b> <b>Software and Systems Development</b> (Three Are Required in Area of Concentration)
<ul style="list-style-type: none"> <li>• <b>AP Computer Science Principles*#</b> (PLTW)</li> <li>• <b>Computer Science A#</b> (PLTW)</li> <li>• <i>Cyber Security (PLTW) (18-19)</i></li> </ul>
<b>Computer Science Senior Seminar</b> (Required Course) (Includes Internship, Portfolio, Resume, Interview, Project and Presentation)
<b>Graduation and Certification</b>
<b>College • Trade School • Employment</b>

\*Career Technical Education course approved for UC Admissions  
 # Approved for Advanced Placement (AP)

**Sample Career Opportunities**

Engineering	Applications
<ul style="list-style-type: none"> <li>• Programmers</li> <li>• Designers</li> <li>• Computer Systems Engineer</li> </ul>	<ul style="list-style-type: none"> <li>• Programmers</li> <li>• Gamers</li> <li>• Software Developers</li> <li>• Web Developers</li> <li>• Database Administrators</li> </ul>