

### Satellite View Career Pathways Flyover for High School Students

<b>If you want to</b>	<b>Earning about (to start, hourly)</b>	<b>Look at Career Pathways for</b>	<b>If you're still in High School</b>	<b>Bonus points</b>
Make lots of product in a better, faster, less expensive, less wasteful way	AS degree - \$14 BS degree - \$23	Manufacturing Engineering	Take the most math you can: algebra, trig, geometry, calculus. If offered, take computer science, programming, electronics; if your high school doesn't offer these, try your local community college	Internships
Make Videogames	BS degree - \$15-\$24	Software Engineering, Multimedia Artists and Animators	Take the most math you can: algebra, trig, geometry, calculus. If offered, take computer science, programming, electronics; if your high school doesn't offer these, try your local community college	Think about how a computer works, not just how games are played and won. Look at roleplaying sites and read fantasy, science fiction, and quest mythology; SAOF-Willamette HS Programming contest
Make Robots, Control Robots	AS degree - \$13 BS degree - \$23 - \$31	Electrical Engineering, Computer Engineering, Software Engineering	Take the most math you can: algebra, trig, geometry, calculus – if offered, take electronics, physics, robotics, programming; if your high school doesn't offer these, try your local community college	Think about team games like Battle bots, Soccerbots, FIRST LEGO League, FIRST VEX Challenge, FIRST Robotics; SAOF-Willamette HS Programming Contest

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Build Big Buildings, Roads, Bridges, Waterworks	AS degree - \$15 BS degree - \$22	Civil Engineering	Take the most math you can: algebra, trig, geometry, calculus – take chemistry and physics, too; if offered, take pre-engineering PTE classes like drafting, architecture, structural engineering; if your high school doesn't offer these, try your local community college	Environmental Engineering.
Make Alternative Energy really work	AS degree - \$15 BS degree - \$22	Civil Engineering	Take the most math you can: algebra, trig, geometry, calculus – take chemistry and physics, too; if offered, take pre-engineering PTE classes like drafting, architecture, structural engineering, electronics; if your high school doesn't offer these, try your local community college	Environmental Engineering, NWSE/ISEF
Design the next new great gadget	AS degree - \$13 BS degree - \$23 - \$31	Computer Engineering, Electrical Engineering	Take the most math you can: algebra, trig, geometry, calculus – if offered, take electronics, physics, robotics, programming; if your high school doesn't offer these, try your local community college	InvenTeams, NWSE/ ISEF
Work on pushing around individual atoms and other cutting edge nanotechnology	AS degree - \$12 BS degree - \$21 - \$25	Chemical Engineering, Materials Science	Take the most math you can: algebra, trig, geometry, calculus – if offered, take chemistry, biology, electronics, physics; if your high school doesn't offer these, try your local community college	NWSE/ ISEF, Science Bowl, internships

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Dreaming up the next big application: Google, Facebook, or YouTube ...	BS degree - \$24	Software Engineering	Take the most math you can: algebra, trig, geometry, calculus. If offered, take computer science, programming, electronics; if your high school doesn't offer these, try your local community college	SAOF-Willamette HS Programming Contest
Make better materials and/or more efficient ways to make stuff – from more absorbent diapers to petroleum products, plastics, integrated circuits, optics	AS degree - \$12 BS degree - \$21	Chemical Engineering, Materials Scientist	Take the most math you can: algebra, trig, geometry, calculus. Take Biology, Chemistry, and Physics. If offered, take computer science, programming, electronics; if your high school doesn't offer these, try your local community college	
Make stuff that moves: vehicles, robots, power plants, engines ...	AS degree - \$ BS degree - \$	Mechanical Engineer	Take the most math you can: algebra, trig, geometry, calculus – take chemistry and physics, too; if offered, take pre-engineering PTE classes like drafting, architecture, structural engineering; if your high school doesn't offer these, try your local community college	
Mine massive	BS degree - \$21 - \$24	Computer Science, Information	Take the most math you can: algebra, trig, geometry, calculus. If offered, take	Classes that will help you understand how data is used:

amounts of data to make information		Technology	computer science, programming, logic; if your high school doesn't offer these, try your local community college	business, (some) history, accounting, sociology, statistics
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