



INTRO TO ENGINEERING DESIGN & MECHATRONICS

FALL 2026



INTRO TO ENGINEERING DESIGN

COLLEGE
CREDIT

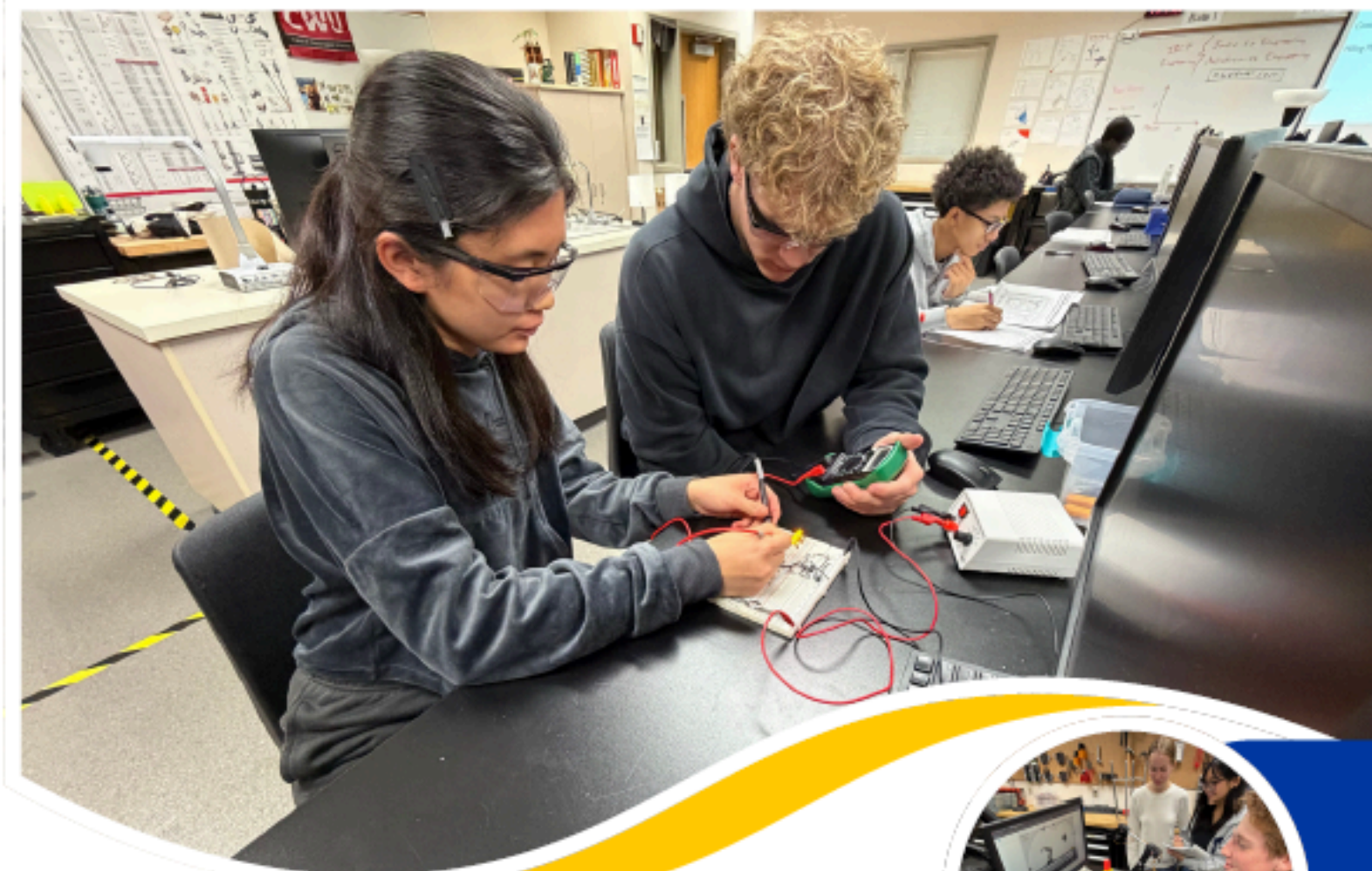
INDUSTRY RECOGNIZED
CREDENTIALS

SIGN UP DURING COURSE REQUEST!



newtons@issaquah.wednet.edu

Room 1304

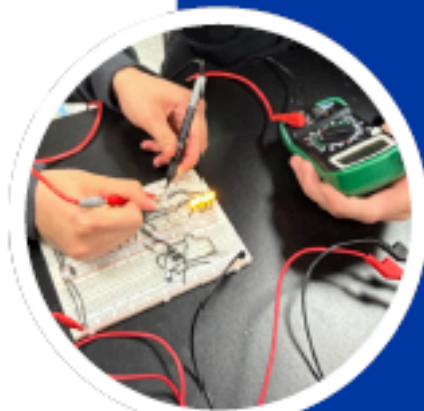


MECHATRONICS ENGINEERING

Course Skyline High School Room 1304

DESIGN • BUILD • TEST • ITERATE

- ✓ Earn Industry Recognized Credentials
- ✓ Learn Real Engineering Skills
- ✓ Build Projects for your Portfolio



Questions?

newtons@issaquah.wednet.edu

Sign up during Course Request!

AGENDA:

- About Me
- Intro to Engineering Course Overview
- Mechatronics Course Overview
- IBCP
- Questions

About Me:

Scott Newton

- 15 years Teaching Design & Manufacturing in Tahoma SD
- CTE Curriculum Specialist
Issaquah District office
- Fourth year at Skyline!



COURSE OUTLINE

INTRO TO ENGINEERING DESIGN

- Career and Technical Education Class
- Well-researched PLTW Engineering curriculum
- Students will design, problem solve, collaborate and make products
- Content Includes: Engineering Careers, CAD, 3D Printing, statistical analysis
- Earn Industry recognized Credentials: *AutoDesk Certified User*
- Part of the International Baccalaureate Career Pathway: Engineering
- Dual Credit: College Credit Available!

COURSE OUTLINE

MECHATRONICS

- Grade 10-12 recommended
- Career and Technical Education Course
- Well-researched PLTW Engineering curriculum
- Students will design, problem solve, collaborate and make products
- Content includes: digital electronics, CAD/CAM, robotics, manufacturing.
- Earn Industry recognized Credentials: OSHA 10 Manufacturing Safety
- Part of the International Baccalaureate Career Pathway: Engineering

INTERNATIONAL BACCALAUREATE CAREER PATHWAY: ENGINEERING

IBCP Engineering requires a two-year Career-related study (CRS) during Junior/ Senior year in:

- Year One: Introduction to Engineering
- Year Two: Mechatronics

More Info:



THANK YOU!

QUESTIONS?

Contact:

`newtons@issaquah.wednet.edu`