



Apply Your Engineering Skills. Inspire the Next Generation.

Are you looking for a meaningful way to apply your ECE knowledge outside the classroom? This Autumn Quarter, the ECE PMP is offering a unique course where you can earn academic credit by mentoring local middle and high school students through FIRST Washington Robotics. In addition to making a real impact in the community, this hands-on experience is a great opportunity to build your resume with leadership, communication, and technical mentoring skills that are highly valued by employers.

As a mentor, you'll guide students in designing, building, and programming competitive robots—while developing your own leadership, communication, and outreach skills. You'll be placed with a team in a Seattle-area or Eastern Washington public or private school, with mentoring sessions typically held **after school (generally some time between 2:30–6:00 PM)** starting in **Week 3** of the quarter. (Eastern Washington teams will be meeting remotely.) Additional volunteer opportunities are available during **Saturday tournaments** in the competition season.

Already working full-time? Many local employers—including Microsoft (24 hours), Impinj (16 hours), and Boeing (via the YourCause program)—offer paid volunteer hours each year. This is a great opportunity to give back to the community while using your professional skills in a high-impact setting.

Why Join?

- Earn academic credit for hands-on, community-based learning through volunteering
- Support underserved youth in STEM
- Build your leadership and communication skills
- Add this valuable experience to your resume
- Be part of the University of Washington's commitment to community engagement and equity in education

Time Commitment:

3 - 8 hours per week, plus travel time for Seattle schools (30–45 minutes from campus by bus/light rail). Background checks (if the school requires them) and training will be completed in Weeks 1–2.

Course Name: EE P 500 (section E & F); SLN 14368 for 1 credit, or SLN 14369 for 2 credits

- Interested students will need to complete an interest form that will help us place you with the appropriate school
- Interest form link [HERE](#)
- An add code will be given to students to register once the interest form is completed

Curriculum:

- The course is offered in both Autumn and Winter quarters.
 - Students do NOT have to enroll in both quarters. However, if students are on a team in Autumn quarter who advances to the regional and/or world competition, they are encouraged to enroll in the Winter quarter.
- This course will have an initial in-person meeting the first week of class (Date TBD), and then will be a mixture of asynchronous videos/assignments and in-person meetings with their assigned school robotics team, or remote meetings for Eastern Washington teams.
- Students can choose to volunteer 3-5 hours/week (1 credit) or 6-8 hours per week (2 credits)
 - It is up to the assigned school team director and the student what specific volunteer schedule works best (i.e. – 1 hour per day Monday-Friday or 2-3 hours twice per week)

Successful Course Completion:

- This course is graded credit/no credit.
- Students achieve credit for this course by completing the following:
- Required videos/trainings provided on Canvas by the end of Week 1 and 2
- Completion of Work Hours Verification Form signed by team director at the end of the quarter
- Completion of a 2-3 page Reflection Paper at the end of the quarter

About [FIRST Washington](#):

FIRST Washington is a nonprofit that engages students in mentor-based robotics programs that build science, engineering, and technology skills. Their mission is to inspire young people to become science and technology leaders by fostering innovation, self-confidence, and life skills.

Ready to inspire and be inspired? Fill out the [interest form](#) now! Students will then be given an add code to register.

Have questions? Feel free to email us!