# Project Overview
# Electrical Engineering Technician (EET)
# Career Exploration

Address proposal and budget narrative in 4-6 pages. The Proposed Budget Worksheet that follows is an additional page that must be included with the application.

1) How does this project encourage the successful recruitment and retention of males or females within a CTE Program of Study that leads to an occupation that is nontraditional by gender? (Males in nursing or early childhood education/teaching K-3. Females in STEM-related careers or the trades.)
Three to four area high schools will be working with PCC on helping a cohort of young high school women explore possible postsecondary training and career opportunities in STEM careers focused primarily on the electrical engineering technician (EET) field. The cohort will be comprised of four HS females to one PCC EET student; where possible we will recruit PCC females in the EET program. We will also be looking for PCC EET alumni to speak with the high school students.

Sanda Williams, department chair of PCC's EET will recruit four PCC EET students to work in four high schools in Region 2A&C. These community college students will mentor the high school young women in technical skills, academic course work, college expectations and opportunities, career options, and working on projects that use the hands on practical application they will need in college and in the workplace.

Lynn Wilson-Dean, Region 2A regional coordinator, will recruit high school CTE teachers, write and manage the NonTrad grant, and supply technical expertise from her office to make sure students are receiving a quality experience.

At this time two CTE teachers from Westivew, Beaverton SD and one CTE teacher from Glencoe in the Hillsboro school district have responded for this project for next year. All three CTE POS are in Drafting and Engineering.

- What are the major activities or strategies that will be carried out and by whom?

There will be four major activities:
Kickoff for the young women to meet each other, meet their PCC Student Mentors, and understand career opportunities in EET and related career fields, understand the start to finish project goals and outcomes;
Business visits, PCC EET Department will arrange these site visits through their business connections. There will be two, one in bio medical in a hospital setting and one in renewable energy. Giving the young women a context for their learning;
PCC Showcase, the young women will come to campus to take a tour, display their finished products, and show their video production to PCC staff and students;
PCC EET Capstone project, HS students will experience what a PCC second year student completes for their Capstone project, giving them a realistic view of what postsecondary work looks like.

The Regional Coordinator will work the with PCC EET Department Chair to make all the arrangements for field visits, pairing one PCC EET student with four high school students, make sure all PCC events take place. The PCC EET student and the HS CTE instructor will set the after school meetings, attend all events, and be on call to trouble shoot for the young women in their video exploration of the career area. PCC EET students will be matched

1PCC:4 HS young women for the project. This 1PCC and 4 HS students will drive the learning at each high school, understanding electronic concepts, building a project (robot) that highlights technical skills and academic core area concepts needed for EET, explore career opportunities and create a video showing the learning and exploration process for each group.

- How do proposed activities at the secondary level link to postsecondary component, or vice versa?

Both secondary and postsecondary partners are working closely in this project. PCC students will be mentors for the HS students and their teachers. HS students will receive advisory materials from PCC advisors and practical advice from PCC students that are in the program.

- What is the timeline for this project?

May 2012 recruit tentative HS CTE instructors, develop program outline with EET Chair, write grant.
June 2012 notify participants of grant results.
July 2012 work with PCC EET Chair to select PCC students, plan Kickoff Event, develop framework for project.
September 2012 finalize HS and PCC students in the project
October 2012 Kickoff event at a centrally located area, either at a high school or PCC Rock Creek, after school event. Explain project and introduce cohorts to each other.
November 2012 Tentative: first site visit either to Bio Medical or Sustainable Energy site.
December 2012 building meetings
January 2013 building meetings
February 2013 Tentative: second site visit to Bio Medical or Sustainable Energy site
March 2013 building meetings
April 2013 PCC Event Showcase for Project (robots and video)
May 2013 or June 2013 PCC Capstone visit, evaluation of experience

**We are encouraging PCC EET students to put 60 hours of their time in mentoring their high school cohort.