

April 16, 2009

09-073

APPLY TO THE STATE BOARD OF EDUCATION FOR
APPROVAL OF THE ASSOCIATE OF APPLIED
SCIENCE DEGREE: ELECTRONIC ENGINEERING
TECHNOLOGY: MECHATRONICS/AUTOMATION/
ROBOTICS ENGINEERING TECHNOLOGY FOR
PORTLAND COMMUNITY COLLEGE AND COLUMBIA
GORGE COMMUNITY COLLEGE

PREPARED BY: Amy Alday-Murray, Curriculum Manager

FINANCIAL
RESPONSIBILITY: John McKee, Division Dean, Science and Engineering

APPROVED BY: Dr. Christine Chairsell, Vice President, Academic and
Student Affairs
Dr. Preston Pulliams, District President

REPORT: The proposed Associate of Applied Science degree is an option to the existing AAS degree in Electronic Engineering Technology. This is an interdisciplinary degree employing courses from other PCC programs including Computer Science, Machine Manufacturing Technology, Drafting Technology and Design, and Mechanical Engineering. The program was designed to prepare individuals for careers as technicians in the manufacturing, operation, maintenance, and design of automated systems including robotics. While the automation industry is well established, the areas of mechatronics and robotics are growing rapidly. Robotics is also an area of interest for Oregon students in the K-12 system.

Individuals may continue their education by completing a four-year Baccalaureate degree. All credits are transferable to the Oregon Institute of Technology and apply to the Bachelor's degree in Electrical Engineering Technology.

RECOMMENDATION: That the College be authorized to submit an application to the Oregon State Board of Education: Associate of Applied Science Degree: Electronic Engineering Technology: Mechatronics/Automation/Robotics Engineering Technology for Portland Community College and Columbia Gorge Community College.