

INDUSTRIAL TECHNOLOGIES FIVE-YEAR VISION

Shared Vision

The Industrial Technologies Department provides quality education in the areas of industrial technology. We provide skills and training for students to meet the industry's need for a well educated, diverse, and gender equitable workforce. In resonance with Kirkwood's mission, we identify community needs for technical education; provide access to quality education and training in technical areas; and promote opportunities for life long learning in Industrial Technologies.

Major Initiative

- Improve image and awareness of careers in fields related to Industrial Technologies.

Student Initiatives

- Increase female enrollment by 15 percent annually for 5 years.

Curriculum

- Promote articulation agreements with other post secondary opportunities.
- Create a program with a significant number of elective courses.
- Develop cross walk between programs. (equivalent courses at Kirkwood)

New/Expanded Program opportunities

- Expand Afternoon/Evening Programs by at least one additional program offering
- Career Academies Expansion
 - Expand Advanced Manufacturing Career Academy
- New program growth
 - Develop an Interdisciplinary program
 - Develop an Engineering Technology program with multiple areas of emphasis.

Information Technology

- Outsourcing/Partnering for quality lab environment, state of the art software applications.
- Dedicated full-time Industrial Technologies IT person.
- Wireless Jones Hall available for Faculty and Staff.
- Laptops for every student in a program. (5 programs in 5 years)

Facilities

- Relocating programs to central location.(Jones Hall)
 - Addition to Jones Hall.
 - Joint Building Trades Building.
- Industrial Technologies dedicated full-time Building Technician.
 - Maintain program specific equipment and minor building revisions.

Major Initiatives for 2007-2008

Students Initiatives

- Increase female enrollment by 15 percent annually for 5 years.
 - Using 2005 as our base year the year of 2008 called for 63 female students to be enrolled. The fall 2008 female enrollment is 73 and does not include any female students enrolled in academy courses. In 2005 we did not do any baseline data for females enrolled in high school academies but will need to start tracking using 2008 baseline data taken at the official count day.
 - Our 2009 fall target is 72 and we are ahead of that number for the fall 2008 school year.

Curriculum

New/Expanded Program opportunities

- Discussions were initiated on the development of a website for the programs currently offered by Kirkwood Community College that are related to the Wind Energy Industry. That website has been launched and provides links to programs that the industry has been actively recruiting from in the past year.
- Discussions will be ongoing as to how better align course offerings with the *Iowa Alliance for Wind Innovation and Novel Development (IAWIND)*. This consortium of the three regent institutions and five community colleges in Iowa will address the growing needs of the Wind Industry and provide training and innovative solutions for the state of Iowa.
- The Industrial Technologies department was part of a grant application for the development of a Nuclear Engineering Technician program with Lakeland Community College of Kirtland, OH. If funded, this program will work in conjunction with Duane Arnold Energy Center to train technicians by providing an internship and core curriculum provided by Kirkwood. The last 24 hours of credit would be offered by Lakeland through distance education technology funded by the grant.

New Program growth:

- The Precision Sheet Metal Fabrication program started in fall 2008. We are currently utilizing an adjunct faculty member to teach the courses and will expand as the student numbers improve.

Information Technology

- Jones Hall has had the new printers installed and these printers are located in temporary sites awaiting completion of remodeling and building that is underway.

Facilities

- Remodeling and building commenced on Jones Hall during the 2008 summer semester. Classroom remodeling as well as the relocation of the main office was completed by the start of the fall 2008 academic year. Building activity continues and is currently on schedule.