

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

- We held an open house for juniors in high school in March of 2007. The turn out was not as high as we had hoped but we are making plans to improve attendance for the coming year.

Students Initiatives

- We met the first year recruitment numbers for females in to the Industrial Technologies and tracked applied and accepted students for the 2007-08 school year. The early indications for the coming academic year indicate we continue to meet the numbers we had set. Utilizing the assistance of Noel-Levitz Consulting we were able to set baseline recruiting numbers.

Curriculum

- We continue to meet with University of Northern Iowa to reaffirm our current articulation agreements and have them signed by the necessary school administrators. Both institutions have had administrative changes that warranted revisiting these agreements and getting new signatures.
- There has been a new program developed in the past year with significant assistance from local industry as well as a national association of manufacturing. The Fabricators and Manufacturing Association (FMA) has designated Kirkwood Community College as a certified training center and offered assistance in developing curriculum and assist with equipment asks for the program.

New/Expanded Program opportunities

- We are currently negotiating the start of a program that would be late afternoon and early evening that would compliment offerings currently in the Construction Management curriculum. The program, if approved, would be offered in the fall of 2008.
- Career Academies expanded. Two Automotive Technology Career Edge Academies will start this fall (2007) with full-time faculty. One site split between Jefferson High School and Benton Community Schools and the second on at Monticello, Jones County. These two academies will provide a pilot opportunity to see how we might increase enrollment in the future in several academy sites.

New Program growth:

- The Precision Sheet Metal Fabrication program will be submitted to the state fall 2007 for implementation for fall 2008. We were able to leverage Grow Iowa Value Funds to purchase needed equipment for the start up of this program. However, without the generosity of several companies donating major pieces of equipment this program would not have met the equipment needs. Equipment donations and deep discounts of purchase price were offered by Amada, (Press Brake donation), Mitsubishi (Water Jet donated & Laser deeply discounted) and Marata, (CNC Turret Punch Press, discounted). Without this industry support and

the help of local businesses we would not have been able to accomplish this feat in one year.

Information Technology

- Jones Hall became wireless throughout the building in 2007.

Facilities

- Design of the new addition to Jones Hall began spring of 2007. Many faculty spent summer time planning how their labs would be configured. The CNC Lab in particular was remodeled to accommodate the equipment that will arrive in August and September.