

SOUTH PUGET SOUND COMMUNITY COLLEGE

Annual Program Assessment Reports for 2005-2006

APPLIED TECHNOLOGY DIVISION

Revised 21 December 2006

Program: AUTOMOTIVE TECHNOLOGY

Outcome # 1	Measurable Criteria	Measurable Tools	Time Frame
A program goal is to have employment ready students and graduates of the Automotive Technology program being able to demonstrate hands-on competency in the 8 ASE task categories: engine repair, automatic transmission & transaxle, manual drivetrain & axle, suspension and steering, brakes, electrical & electronic, heating & air conditioning, and engine performance.	80% of the currently enrolled students will achieve the lab completion score NATEF requires: 95% of the priority 1 tasks, 80% of the priority 2 tasks, and 50% of the priority 3 tasks, at the completion proficiency level of at least a 3 on a 1 to 4 scale.	Of the program completers or graduates, 84% have achieved the NATEF tasks at the percentage of the lab score identified in the Measurable Criteria.	Quarterly, at the end of each quarter
Results: In January 2006 the program professors completed the required NATEF Task list upgrade from the 2002 task list to the 2005 task list.			
Analysis and Action: To improve the success of Outcome # 1, program professors have developed a new lab task tracking system that will provide weekly feedback to the students on which tasks still need accomplishment.			

Program: AUTOMOTIVE TECHNOLOGY

Outcome # 2	Measurable Criteria	Measurable Tools	Time Frame
Employers of Automotive Technology employment ready students and graduates will be satisfied with their job performance.	80% of responding employers will report that they are satisfied or very satisfied with the job performance of the automotive students.	A survey of local employers was scheduled but not accomplished due to logistics and a department staffing change. A verbal survey was conducted in the Spring of 2006 of local dealers and independents who currently employ current students and graduates.	Spring 2006
<p>Results: Results of verbal survey indicate employers were satisfied with the quality of the automotive students.</p>			
<p>Analysis and Action: An in-depth written survey will be conducted during the Spring 2006-07 year to verify outcome # 2.</p>			

Program: AUTOMOTIVE TECHNOLOGY

Outcome # 3	Measurable Criteria	Measurable Tools	Time Frame
Employment-ready students and graduates of the Automotive program will be prepared to obtain employment in the field of automotive repair.	80% of employment-ready students and graduates who want to work in the field will be employed upon leaving the program or graduation.	The automotive professors conduct a job exit survey of each class to determine who is employed in the automotive field.	Quarterly, at the end of each quarter
<p>Results: Students that graduated during this period show that 100% are working in the field that desire to do so. The industry is currently undergoing a severe shortage of qualified personnel, and the students in the program are finding suitable part-time work before graduation, and full-time after graduation.</p>			
<p>Analysis and Action: Department professors will continue conducting job placement surveys of current and graduating students.</p>			

Program: COMPUTER AIDED DRAFTING

Outcome # 1	Measurable Criteria	Measurable Tools	Time Frame
ATA Degree and Certificate of Completion seeking students will demonstrate proficiency utilizing industry standards for Architectural, Civil, and Mechanical Drafting applications as stated on course outlines.	Upon completion of course exit exams, 80% of students will score a level 3 or above on a 1 to 5 scale in the following two categories: Critical Thinking/Problem Solving, and CAD Drafting Skills, earning them a grade B or better.	Course tailored exit exams that demonstrate student ability to meet performance objectives.	Quarterly, at end of each quarter.
Results: Student exit exams were completed of all CAD course offerings during this period. Survey data results indicate 94.5% of Mechanical students received an A grade, and 5.5% a grade C or below. Data results of Architectural students 29.4% received an A grade, 41.2% received a B, and 29.4% a grade C or below. Data results of Civil students 71.4% received an A grade, 21.4% received a B, and 7.2% a grade C or below.			
Analysis and Action: The exit exams are administered at the end of each quarter. This is the first year that all three degree specialties (architectural, civil, and mechanical) have been evaluated. Grade comparisons for the year will be done at the conclusion of the 2006-2007 year.			

Program: COMPUTER AIDED DRAFTING

Outcome # 2	Measurable Criteria	Measurable Tools	Time Frame
Graduates and employment ready students of the CAD program will be prepared to obtain employment in the field of Computer Aided Drafting.	50% of graduating and employment-ready students will indicate on an employment survey that they have obtained employment within 6 months of leaving the program.	Employment Security data. Department survey of CAD graduates or employment ready students.	Spring 2006
Results: Twenty graduating or employment-ready students were personally contacted, and 15 of them or 75% are currently employed in the field.			
Analysis and Action: During the 2005-2006 year the CAD Professors have developed a system of collecting “personal contact data” of their graduates. In the past it has been extremely difficult to track students once they have departed the program. The CAD field is currently considered as a High Wage High Demand occupation. Professor Mike Murphy was awarded a grant in Spring 2006 to explore the development of a low maintenance Internet based survey to be used for program graduates and their employers 6 months after graduation.			

Program: COMPUTER AIDED DRAFTING

Outcome # 3	Measurable Criteria	Measurable Tools	Time Frame
Employers of graduates and employment-ready students will be satisfied with their job performance.	80% of surveyed employers will respond that SPSCC students were well prepared with the technical and academic skills necessary to succeed in the work place.	Department developed employer survey.	Spring 2006
<p>Results:</p> <p>An official employer survey was conducted during this period, with 11 responses returned. Results indicate 100% of the responses were well pleased with the technical and academic skills of the graduates. When asked the following question “Please rate the skills you find most desirable in your employees”. The following are the primary responses:</p> <p>CAD Competency – 9 Critical Thinking – 10 People Skills – 8 File management – 1 Meeting Deadlines – 8 Listening Skills - 1</p>			
<p>Analysis and Action:</p> <p>In order to establish a better system of surveying employers and get more responses, Mike Murphy was awarded a grant in Spring 2006 to explore the development of a low maintenance Internet based survey to be used for program graduates and their employers 6 months after graduation.</p>			

Program: FIRE & EMERGENCY SERVICES TECHNOLOGY

Outcome # 1	Measurable Criteria	Measurable Tools	Time Frame
Students completing the FEST program will be employed in the field of fire fighting or related career fields in the following; Wildland Fire Protection, EMT or Paramedic, Hazardous Materials Tech, Fire Inspector, Emergency Dispatcher.	The placement rate of the students completing the FEST program and gaining employment in the field of firefighting or a related career will meet or exceed the average placement rate of comparable programs offered within the State of Washington.	Survey of students graduating or leaving early to begin employment in the FEST field. Phone interviews with former students and coordinators of other FEST programs in the State.	Spring 2006
<p>Results: No official survey was conducted to collect data for this outcome.</p>			
<p>Analysis and Action: Due to the difficulty of tracking graduates of the FEST program, the program staff implemented a feedback journal to capture the verbal data collected by department employees, graduating students, and advisory members. The program will use this data during the coming year to conduct a survey.</p>			

Program: FIRE & EMERGENCY SERVICES TECHNOLOGY

Outcome # 2	Measurable Criteria	Measurable Tools	Time Frame
The FEST program will prepare students to enter the field of fire fighting or other related career fields in the following; Wildland Fire Protection, EMT or Paramedic, Hazardous Materials Tech, Fire Inspector, Emergency Dispatcher.	90% of program completers will obtain the following certifications: EMT IFSAC Firefighter I IFSAC Firefighter II IFSAC Hazardous Materials Operations Level NSCG Wildland Firefighter II	Industry Standard Certification tests.	Throughout the academic year when testing is administered
<p>Results: More than 90% of program completers are obtaining these required certifications annually.</p>			
<p>Analysis and Action: No further action is planned at this time.</p>			

Program: FIRE & EMERGENCY SERVICES TECHNOLOGY

Outcome # 3	Measurable Criteria	Measurable Tools	Time Frame
<p>The FEST ATA program will prepare students to enter the field of firefighting or other related careers with specific qualifications.</p>	<p>80% of program completers will develop the knowledge and technical skills necessary to achieve the following professional qualifications: NFPA 1002 Apparatus Drive Operator NFPA 1670 Rope Rescue Operations Level NFPA 1670 Trench Rescue Operations Level</p>	<p>Successful completion of practical and written examinations annually.</p>	<p>Annually</p>
<p>Results: 92% of program completers obtained these professional qualifications.</p>			
<p>Analysis and Action: No further action is planned at this time.</p>			

Program: FIRE & EMERGENCY SERVICES TECHNOLOGY

Outcome # 4	Measurable Criteria	Measurable Tools	Time Frame
<p>The FEST ATA program will prepare students to enter the field of firefighting or other related careers with specific Fire Investigator and Fire Educator certifications.</p>	<p>30% of program completers will develop the knowledge and technical skills necessary to achieve the following professional qualifications: NFPA 1033 Fire Investigator IFSAC Public Fire Educator Certification</p>	<p>Successful completion of National examinations annually.</p>	<p>Annually</p>
<p>Results: 20% of program completers obtained these professional qualifications.</p>			
<p>Analysis and Action: To increase the percentage of successful completers of these National exams, the program instructors will modify the curriculum to increase emphasis of the instruction in these areas.</p>			

Program: WELDING TECHNOLOGY

Outcome # 1	Measurable Criteria	Measurable Tools	Time Frame
Students will obtain a WABO certification for a specific welding process that matches their employment goal, i.e. Structural steel, etc;	90% of program completers or employment-ready students will have passed WABO tests for at least one welding process.	WABO certification tests are administered at the end of each quarter.	Throughout the school year.
<p>Results: 97% of program completers or employment ready students have successfully passed at least one WABO certification.</p>			
<p>Analysis and Action: Certification testing process is working – no further action needed at this time.</p>			

Program: WELDING TECHNOLOGY

Outcome # 2	Measurable Criteria	Measurable Tools	Time Frame
Employment-ready welding students will be prepared to be employed in a welding related field.	70% of employment-ready students who want to be employed will be employed in the welding field within 6 months of leaving the college.	Job exit survey given to program completers or students that are employment ready.	Throughout the school year depending on when student completes intended coursework.
<p>Results: 100% of the students that desire employment in the welding field are working.</p>			
<p>Analysis and Action: According to information provided by the Welding Advisory Board members, and regional data, the welding field is currently experiencing an extreme shortage of WABO certified welders. As a result, and to meet the demand, an afternoon section of welding was added to begin Fall 2006. No further action is planned at this time.</p>			

Program: WELDING TECHNOLOGY

Outcome # 3	Measurable Criteria	Measurable Tools	Time Frame
The Welding Technology program will prepare students to create, read and interpret blueprints, and fabricate basic pieces based upon the blueprints.	At least 75% of the students will interpret welding symbols, dimensioning, and line placement from a blueprint, and accurately develop a custom blueprint using AWS standards.	Comprehensive written test utilizing a full scaled blueprint. Student will develop a blueprint with specifications matching AWS Standards from which to build a basic piece.	At the end of Winter Qtr Blueprint Class WELD 170
<p>Results:</p> <p>End of winter quarter blueprint class indicated 100% of students achieved this outcome objective.</p>			
<p>Analysis and Action:</p> <p>No further action is planned at this time.</p>			