

**Southern Utah University**  
**Department of Integrated Engineering and Technology (Technology Division)**  
**Academic Outcomes Assessment Report**

**2004-2005**

**Expanded Statement of Institutional Purpose:**

**Mission statement:**

The Applied Technology Department supports the mission of the university by providing a high quality undergraduate education to students with in-depth skill development in the program discipline areas of criminal justice, construction technology/construction management, electronics engineering technology, CAD/CAM engineering technology, CAD/GIS engineering technology, automotive technology, CNC machining, and cabinetmaking and millwork, through professional, credentialed faculty using state of the art facilities and equipment. In addition, this department offers Technology Education teacher certification with a secondary endorsement. Furthermore, we aim to provide meaningful service to industry, government, and all communities served by the university.

**Goal Statements:**

I. The Applied Technology Department at SUU will prepare students with the technical knowledge and

**Program Intended Educational Outcomes:**

I. Students will demonstrate their knowledge and mastery of their degree program (i.e., electronic technology, cabinetmaking and millwork, etc.)

II. Business/industry representatives will have an opportunity to provide curricular input.

III. Students will be satisfied with learning opportunities afforded to them by the Applied Technology department.

IV. Students will be prepared for post-graduation plans in their respective fields.

V. Students will find employment in their field and/or continue their educational pursuits.

**Means of Program Assessment and Criteria for Success:**

I. 95% of Applied Technology majors will pass their Applied Technology courses with a minimum grade of "C-" (a minimum grade of "C" is required in Technology Education courses), as evaluated by assessment measures within each course. Applied Technology courses will contain activities that will enable students to demonstrate a reasonable level of proficiency in their learned skills.

II. Each Applied Technology program area will form an advisory committee that will meet bi-annually to review curriculum and provide guidance and direction for the program. (The Utah State Technology Education Planning Council will serve as the Technology Education program "industry advisory committee".)

III. (A) 80% of graduating students will agree with the statement, "The quality, availability, and diversity of course offerings, and lab experiences in my degree program were appropriate."  
**OR**  
 80% of Applied Technology majors enrolled in TECH

**Summary of Data Collected:**

I. The overall percentage of Technology majors that completed their Applied Technology courses with a C- or better for the 04-05 academic year was 93.26%. The breakdown was 95.36% for fall 04 and 91.11% for spring 05.

II. All technology programs organized impressive advisory committees, who met as directed and provided critical feedback to all of the programs and faculty. The minutes are on file in the division chairs office.

III. (A) There are in fact 5 questions on our surveys that deal with "quality of courses", "availability of courses" (time of day), "availability of courses" (not full), "diversity of course offerings", and "appropriate lab experiences". The overall average percentage of students that agreed or strongly agreed with the "quality, availability, and diversity" statement was 63.69%, with graduating students giving a slightly higher rating than students at the half-way point in their education.

**Use of Results:**

I. The overall percentage of successful course completion is just slightly below our goal of 95%. We will continue to evaluate all courses and program curriculums to see where we might change to improve the likelihood of student success.

II. We will continue to emphasize the importance of program advisory committee input to the overall success of our programs.

III. (A) The relatively low ratings given for these survey items indicates that several students are dissatisfied with the quality of offerings, the availability of course offerings (particularly the "time of day"), and the diversity of course offerings. We will evaluate our courses for quality and take appropriate measures, but a more diverse program would require additional resources that are not available, and may have a negative impact on class size issues. Extreme measures were taken this past year to avoid course scheduling conflicts within

skills necessary to succeed in their respective disciplines.

II. The Applied Technology Department will provide service to related industries/ organizations at the local, regional, state, and national levels, and work in close cooperation with industry to train students to meet employers' needs as well as provide training for their employees.

III. The curriculum in the Applied Technology department will consist of a blending of classroom courses in theory, methodologies and histories of the program disciplines as well as lab/field experiences incorporating hands-on application of these principles.

IV. The intent of the Applied Technology faculty and curriculum is to produce well-rounded graduates who are conversant with the content in their program discipline and who can proficiently apply that content in the employment and/or continuing education endeavors.

V. The Applied Technology department will achieve a high level (80%) of placement in employment and/or continuing education.

3000 will agree with the statement, "The quality, availability, and diversity of course offerings, and lab experiences in my degree program are appropriate."

**OR**  
80% of Automotive majors enrolled in AUTO 1510 or AUTO 2560 will agree with the statement, "The quality, availability, and diversity of course offerings, and lab experiences in my degree program are appropriate."

(B) 80% of graduating students will give a rating of "Above Average" or "Excellent" to an overall rating of their degree program.

**OR**  
80% of Applied Technology majors enrolled in TECH 3000 will give a rating of "Above Average" or "Excellent" to an overall rating of their degree program.

**OR**  
80% of Automotive majors enrolled in AUTO 1510 or AUTO 2560 will give a rating of "Above Average" or "Excellent" to an overall rating of their degree program.

IV. 80% of graduating students will agree with the statement, "I feel that my program has prepared me well for my future employment or educational plans."

V. 80% of graduates will accept employment within their field of study and/or be accepted for continuing education programs within one year following graduation.

III. (B) The overall average percentage of students that rated their degree program "above average or excellent" was 73.36%, with formative survey results at 82.71% and summative survey results at 64%.

IV. The overall average percentage of students that agreed or strongly agreed with the "program preparation" statement was 86.50%, with the formative survey results at 93% and the summative survey results at 80%.

V. 100% of the technology graduates have either continued on in graduate level studies, or accepted employment in their field of study, or a closely related field of study.

the department, and to follow "time of day" scheduling policies. If students are dissatisfied with the time of day that courses are offered, it may be an issue that is beyond departmental control. We will attempt to educate the student population about the policies that govern course time scheduling.

III.(B) The results of this survey item seem to be in conflict with the #IV survey item, and may reflect continued student dissatisfaction with the course offerings as discussed earlier. We will continue to evaluate programs with the goal of "overall program improvements".

IV. A high percentage of the students responded that they have been "well prepared for future education or employment plans", and we surpassed our goal percentage. We will continue to evaluate our programs and make necessary improvements.

V. We will continue to track graduate placement and success, and emphasize the need for proper preparation for graduate level endeavors or employment in all programs.

