

Department of Applied Technology

Annual Assessment Report

2002-2003

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., criminal justice, 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. Applied Technology students 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 Technology Education program is not required to have an "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 3000 will agree with the statement, "The quality,

Summary of Data Collected:

I. Of 2082 grades issued during the 2002-03 school year, 95% were C- or better (C or better for Tech Ed students). If adjusted to include only students that have declared Applied Technology majors, the percentage increases to 97.1%.

II. All Applied Technology programs have organized advisory committees, and a copy of each advisory committee membership list is available in the department chairs office. While all programs have held advisory committee meetings this year, not all programs have provided the department chair with written documentation of the business conducted.

III. (A) Department wide, the average percentage of graduating students that agree or strongly agree with exit survey questions related to the criteria question is slightly below our goal percentage (76.4%).

Individual exit survey question results are as follows: (% A or SA)
 "quality"= 88%
 "availability" time=76%
 "availability" not full=85.4%

Use of Results:

I. While a very high percentage of Applied Technology students were able to meet or exceed this goal, it is unreasonable to expect 100% of all students or even 100% of Applied Technology majors to meet or exceed this goal. Our faculty must continue with the same level of dedication and enthusiasm to help our students succeed in their academic efforts.

II. The current level of industry input for our Applied Technology programs is exceptional, however written documentation is very important, and timely reporting will be required from now on.

III. (A) It is apparent that the Department of Applied Technology faculty members need to better communicate the appropriateness of lab experiences, and re-evaluate the lab experiences to verify their appropriateness in each degree program.

The department has gone to great lengths to avoid course time conflicts within the degree programs, so it is likely that these

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.

availability, and diversity of course offerings, and lab experiences in my degree program are appropriate."

OR
80% of Criminal Justice majors enrolled in CJ 3500 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 Criminal Justice majors enrolled in CJ 3500 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.

"diversity"= 81.4%
"lab experiences"= 51.3% SA or A
31.1% N***

Students from TECH 3000, CJ 3500, and AUTO 1510 responded with a much lower average percentage on the "agree or strongly agree with" formative survey questions related to the criteria question (65.84%). This is far below our goal percentage. (Note: 20.72% responded "Neutral" to these same survey questions.) Students expressed concern over course availability, specifically "course conflicts" and "full courses".

(B) Department wide, the average percentage of graduating students that rated their overall degree program on an exit survey as "Above Average" or "Excellent" was 67.04% . This is considerably lower than our target percentage. While graduates in auto (80%), CJ (92.3%), and CAD/CAM (100%) met the goal percentage, Const. Mngmnt (72.7%), EET (66.7%), Tech Ed (50%), Cab Mill (75%), and CNC (66.7%) are below the goal percentage.

Students from TECH 3000, CJ 3500, and AUTO 1510 responded with 72.68% average percentage rating of "Above Average" or "Excellent" for their overall degree program on a formative survey. This is a higher percentage than graduating

student concerns reflect problems from across campus.

(B) The Department of Applied Technology will evaluate all degree programs that achieved a rating less than 80% to identify the reason for a lesser degree of satisfaction among some students.

IV. The very high percentage of students that responded favorably to this survey question seems to be at odds with the "overall degree program" survey question results.

The relationship between these two survey items will be the subject of further study and adjustment as needed.

V. Follow-up data about graduate employment and continuing studies will be collected during the current school year to provide accurate results for analysis and review.

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.

students, but is still below our goal of 80%. While auto (85%) and CJ (82%) were above the goal, Const Mngmnt (57.1%), EET (69.2%), and Tech Ed (70%) were below the goal.

IV. Department wide, the average percentage of graduating students that "agree or strongly agree" with an exit survey item related to the statement "I feel that my program has prepared me well for my future employment or educational plans" is 98.7%.

V. While initial placement information has been gathered on some students, insufficient time has elapsed (less than one year), to allow the department to track all graduates from the 2002-2003 school year.