



Annual Program Review 2011-2012 - INSTRUCTIONAL

Division - Program **TECHNOLOGY & AVIATION – Welding**

Authorization

After the document is complete, it must be reviewed and submitted to the Program Review Committee by the Division Chair.

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Overview of the Program

All degrees and certificates are considered programs. In addition, divisions may further delineate and define programs based on their assessment needs (developmental sequences, career track, etc).

Statement of Purpose – briefly describe in 1-3 sentences.

The Welding department curriculum is formulated and designed to meet the specific needs of both certificate and transfer students. Occupational welding is a two-year program designed to prepare the student for entry into the welding field as a Combination Welder. The emphasis is on obtaining a welding certification at the completion of the required courses.

Please list the **most significant achievement** accomplished since your last program review.

Continue to certify students with an AWS certification. Updated weld equipment compared to other programs. Full classes.

List the current major strengths of your program

1. High fill rate of classes. Currently stable at over 100%.
2. The department adapts the curriculum due to changes in industry standards.

List the current weaknesses of your program

1. Small size of the shop.
2. Classes must be limited in size due to the condition of the ventilation equipment.
3. Lack of updated computer equipment.

1.0. Trend Analysis

For each program within the division, use the data provided to indicate trends (e.g., steady, increasing, decreasing, etc.) for each of the following measures.

Program	Academic Year	FTEs Trend	FTEF Trend	WSCH / FTEF Trend	Full-Time % Trend	Fill Rate Trend	Success Rate Trend	Awards Trend
Welding	2007-2008	45	2.5	578	69.2%	105.4%	80.6%	2
	2008-2009	43	2.5	552	34.6%	114.7%	86.1%	2
	2009-2010	41	2.3	575	0.0%	110.3%	82.0%	1
	2010-2011	38	2.1	584	0.0%	110.4%	87.6%	3
	% Change	-15.1%	-16.0%	+1.1%	-100.0%	+4.7%	+8.7%	+50.0%
	4-Yr. Trend	decreasing	decreasing	stable	decreasing	stable	stable	increasing
Technology & Aviation Division TOTAL	2007-2008	532	37.5	451	38.1%	73.1%	74.3%	91
	2008-2009	591	37.2	505	30.9%	69.6%	74.9%	85
	2009-2010	757	45.4	530	32.7%	82.1%	74.4%	59
	2010-2011	675	44.7	480	33.7%	91.7%	76.1%	76
	% Change	+26.9%	+19.1%	+6.5%	-11.6%	+25.5%	+2.4%	-16.5%
	4-Yr. Trend	increasing	increasing	stable	decreasing	increasing	stable	decreasing

1.1. Describe how these trends have affected student achievement and student learning:

- The decrease in full-time % trend is due to the retirement of the full-time instructor in the department. The department currently has three adjunct instructor one of which is an emeritus professor.
- The fill rate trend is currently stable at over a 100% rate. This is considered one of the strengths of the department and should be considered a result of the hard work of the instructors.

1.2. Is there other relevant quantitative/qualitative information that affects the evaluation of your program?

No.

2.0. Student Learning and Curriculum

Provide the following information on each department and program within the division.

List each Department within the Division as well each degree, certificate, or other program* within the Department	Active Courses with Identified SLOs		Active Courses Assessed		Course Sections Assessed		If this area has program outcomes have they been assessed? Yes or No
	n/n	%	n/n	%	n/n	%	
WELDING	0/8	0	0/8	0	0/8	0	No

2.1. Please comment on the percentages above.

- Most existing course outlines are/were in need of revision, so SLO's and assessment of those courses have not been completed.

- 2.2. a) Please provide a **link*** to all program assessment timelines here. This link could be to your division /department website, eLumen, etc.
- b) Briefly summarize any pedagogical or curricular elements of courses/programs that have been changed or will be changed as a result of developing assessment timelines and course/program alignment matrixes.
- c) Based on the program assessment timelines you have developed and the evidence you have gathered, please comment briefly on how far along your division/program is in the assessment process.

- a) There is no link to program assessment timelines.
- b) No courses have been changed due to alignment matrices.
- c) As stated previously, the classes need to be updated to include SLOs.

- 2.3 a) Please provide a **link** to any program and/or relevant course assessment reports. Does the evidence from assessment reports show that students are achieving the desired learning outcomes?
- b) Please briefly summarize any pedagogical or curricular elements of courses and/or programs that have been changed or will be changed as a result of the assessments conducted.

- a) There is no link to course assessment reports.
- b) No courses have been changed due to assessment conducted.

2.4 Please list all courses which have been reviewed in the last academic year.

Note: Curriculum Review is required by the Chancellors Office every 6 years.

- Welding 122 - Welding Blueprint Reading has been updated to reflect changes in industry standards.
- Welding 125, 126 – Both of these classes have been modified due to changes in n testing procedures for welding samples.

2.5 Please list all degree/certificate programs within the division that were reviewed in the last academic year.

None.

2.6 For each program that was reviewed, please list any changes that were made.

No changes to the certificates have been made.

3.0. Reflection and Action Plans

3.1 What recent activities, dialogues, discussions, etc. have occurred to promote student learning or improved program/division processes?

Ongoing discussion with students (both current and former) regarding the course offerings. Adjunct instructors have been utilized as a source of current industry practice.

3.2 Using the weaknesses, trends and assessment outcomes listed on the previous pages as a basis for your comments, please briefly describe your plans and/or modifications for program/division improvements

Plans or Modifications	Anticipated Improvements
Ventilation equipment must be repaired/replaced to allow for classes to be taught at full capacity.	This is a health/safety issue. Enrollment will be increased and the work environment within the welding lab will be improved.
Increased SLO assessments of current courses.	Better understanding of whether course goals are being met.
Update computer equipment.	Students/faculty will be able to utilize current industry software and incorporate it into the curriculum.

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2011 PROGRAM REVIEW**TECH ED - Welding**
Two Computers (Lab & office)**I: TE.W****Section 4**
Resource Request

Type of Request: _____ Facilities/Maintenance _____ Classroom Upgrades _____ New space
 _____ Instructional Equip. ☒ Non-Instructional Equip _____ Conference/Travel _____ Training
☒ Computer/Hardware _____ Software/Licenses _____ Supplies _____ Other

Mandatory: Is this request for one-time funding? _____ OR Does this request require ongoing funding? _____

If this is a repeat request, please list the Resource ID code or year requested: _____

Mark if the following apply to this request: _____ Health & Safety Issue _____ Legal Mandate
 _____ Accreditation Requirement _____ Contractual Requirement

4.1. Clearly describe the resource request.**Two Computers for Lab and Office**

Amount requested \$ 2,500.00
 Breakdown of cost (if applicable):

4.2. Justification and Rationale: What planning goal, core competency or course/program SLO does this request address? Use data from your report to support your request.

New computers are needed due to changes in the industry software. Due to changes in this software the current computers are incapable of running these programs.

4.3. What measurable outcome will result from filling this resource request?

Students and faculty will be able to run current software used in the Welding field. Using the latest software will enable to stay current and be more competitive in the workplace.

APPROVALS

AGENCY	DECISION						
The Program Review Committee has reviewed the data, outcomes and plans in the report and finds this request to be:	Well supported						
	Adequately supported						X
	Not supported						
	Reason:	Sect.1: Data		Sect.2: SLOs		Sect.3: Plans	Other:
Standing Committee Review of Resource Request Committee:					Prioritization Score		