### Program Review Executive Summary Template

**Institution Name:** Oklahoma Panhandle State University  
**Program Name and State Regents Code:** 059 Technology AAS  
**List Any Options:** Drafting and Industrial Technology, Fire Protection, Industrial Technology, Metal Technology, Technology, Emergency Medical Services  
**Date of Review:** 11/8/2019  
**Recommended Date of Next Review:** 2024

### Centrality to Institutional Mission:
The program of Technology follows the Oklahoma Panhandle State University mission of “Rooted in “Progress through Knowledge,”” OPSU is committed to promoting excellence in the preparation of students for success in a global community.” This is done through its goals, which align to the primary points of “progress through knowledge… in a global community” with a focus on oral and written communication, analytical and quantitative reasoning, and social responsibility and cultural awareness.

### Program Objectives and Goals:
- **Goal 1:** Oral and Written Communication: Communicate effectively using written, oral, and symbolic languages  
  - Student Learning Objectives:  
    1) Students will be able to create basic technical drafting drawings (CAD).

- **Goal 2:** Analytical and Quantitative Reasoning: Read and think critically by analyzing, assimilating, and applying information  
  - Student Learning Objectives:  
    1) Students will apply the fundamental skills in the use of hand and machine tools.

- **Goal 3:** Social Responsibility and Cultural Awareness: Be an aware and active participant in the global, dynamic community  
  - Student Learning Objectives:  
    1) Students will demonstrate an understanding of safe welding environments and hazard avoidance

### Quality Indicators Such As:
Student benchmarks were met in the 2018-2019 academic year in all student-learning objectives at the time of the Program Review. These benchmarks and objectives were recently revised to better match the program needs and more data is needed for further analysis.  
Student evaluations are used by faculty regularly to make changes to assure students are getting the education required to become licensed.  
Learning environments for the student are becoming more effective. Faculty in the department participated in a campus wide evaluation of the learning management system; the digital learning space of D2L was reevaluated Summer 2018 and found to still be a great fit for our students and their learning.  
The capacity of the technology program to meet needs and expectations of constituencies through a restructuring to accommodate articulation with CareerTech schools and a state-wide matrix.

### Productivity for Most Recent 5 Years:
- **Number of Degrees:** 3.25 average over past 4 years  
- **Number of Majors:** 12.75 average over past 4 years
Other Quantitative Measures Such As:

<table>
<thead>
<tr>
<th>Number of Courses for Major: 10-16</th>
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<tbody>
<tr>
<td>Student Credit Hours in Major: 39-45</td>
</tr>
<tr>
<td>2014/2015 - 2018/2019 Direct Instructional Costs: covered by other programs</td>
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<tr>
<td>Supporting Credit Hour Production: 13</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Faculty Member</th>
<th>Credential</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jon Olsen</td>
<td>BIND</td>
<td>Oklahoma Panhandle State University</td>
</tr>
<tr>
<td>Hue R. Helms</td>
<td>BIND</td>
<td>Oklahoma Panhandle State University</td>
</tr>
</tbody>
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Number of FTE faculty in specialized courses: 2
Students known to be employed: 2 over past 4 years
Students known to be licensed: 1 known over past 4 years

Duplication and Demand

The Bachelor in Technology program demand has been rising with enrollment increase over the last two years and a new partnership with technical education programs in the area.

There is no comparable university offering a similar program within the state of Oklahoma.

Effective Use of Resources

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<tbody>
<tr>
<td>$261.75</td>
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<td>$273.62</td>
<td>$278.32</td>
<td>$303.54</td>
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</tr>
</tbody>
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| Faculty/ student ratio | 1/6.5 | 1/5.84 | 1/6.75 | 1/4.5 | 1/5.5 |

Strengths and Weaknesses

Strengths of the program include alignment of electricity and welding courses with The National Center for Construction Education and Research (NCCER), ability of students to become NCCER certified in electricity and welding, small instructor to student ratio, and use of metal and woodworking labs outside of class time.

Weaknesses include out of date and overcrowding of equipment.

Recommendations

Reorganize: Need to align the core of coursework. To do so, remove the Emergency Medical Services and Fire Technology options to become their own AAS in Paramedicine and AAS in Fire Technology. These degrees are at the state regents office awaiting approval.