

## 7.0 Standards for Accreditation

### Program Inputs:

#### 7.1 Program Title, Mission, and General Outcomes:

The program/option title, definition and mission shall be compatible with the ATMAE definition of Technology, Management, and Applied Engineering. The program/option shall lead to a degree at the associate, bachelors, or master's level. ATMAE approved definitions for degree programs are as follows:

- a. Associate Degree: Programs/options that prepare individuals for positions that contribute to the design and development, production, distribution or operational support of complex technical systems.
- b. Baccalaureate Degree: Programs/options that prepare individuals for positions that involve the management of complex technological systems.
- c. Master's Degree: Programs/options that prepare individuals for career advancement in that involve the management of complex technological systems

General outcomes shall be established for each program/option that provide a framework for the development of specific measurable competencies. Validation of the general outcomes shall be accomplished through a combination of external experts, an industrial advisory committee and, after the program is in operation, follow up studies of graduates.

Only institutions legally authorized under applicable state law to provide degree programs beyond the secondary level and that are recognized by the appropriate regional and/or national accrediting agency are considered for accreditation. Evidence must exist that the programs are understood and accepted by the university/college community, and the business/industry community.

Note: Each program/option shall have appropriate titles consistent with the approved ATMAE definition of Technology, Management, and Applied Engineering. Representative student transcripts for each program and/or option shall be made available for the visiting team.

2011 ATMAE Team: Mr. Steve Brown, Mr. David Brinkruff & Mr. Stephen Dunn

AAS Information Network Security Specialist:	<input checked="" type="checkbox"/> Compliance	<input type="checkbox"/> Partial Compliance	<input type="checkbox"/> Non-Compliance
AAS Information Network Specialist:	<input checked="" type="checkbox"/> Compliance	<input type="checkbox"/> Partial Compliance	<input type="checkbox"/> Non-Compliance
AAS Information Programmer Analyst:	<input checked="" type="checkbox"/> Compliance	<input type="checkbox"/> Partial Compliance	<input type="checkbox"/> Non-Compliance
AAS Web Analyst Programmer:	<input checked="" type="checkbox"/> Compliance	<input type="checkbox"/> Partial Compliance	<input type="checkbox"/> Non-Compliance
AAS Computer Information Systems:	<input checked="" type="checkbox"/> Compliance	<input type="checkbox"/> Partial Compliance	<input type="checkbox"/> Non-Compliance

#### BPCC Response:

ATMAE visiting team determined that our programs are in full compliance for this standard.

2012 ATMAE Team: Mr. Bob Dixon, Mr. Danny Lawson & Dr. Rick Bateman Jr.

While documented general outcomes of each program exist, there is no data follow up studies of graduates from which validation of said outcomes can be established. Verbal feedback from advisory

board members and industry professionals indicates validation from these sources, but documentation is not clearly evident in advisory committee meeting minutes.

AAS Information Systems Administration Specialist:  Compliance  Partial Compliance  Non-Compliance  
AAS Oil and Gas Production Technology:  Compliance  Partial Compliance  Non-Compliance  
AAS Construction Technology and Management:  Compliance  Partial Compliance  Non-Compliance

BPCC Response:

Verbal feedback has been documented in Advisory Board Committee Meeting minutes from advisory board members and industry professionals. These minutes are located in the links below, as well as below in APPENDIX D 7.1. Also, post-graduate surveys have been created and administered to graduates for validation of outcomes.

Information Systems Administration Specialist:

<http://www.bpcc.edu/tem/advisoryboard/documents/isa-minutes09132012.pdf>

Oil and Gas Production Technology:

<http://www.bpcc.edu/oilandgas/advisorycommittee/documents/minutes-09112012.pdf>

Construction Technology and Management:

<http://www.bpcc.edu/tem/advisoryboard/documents/construction091112.pdf>

## 7.2 Competency Identification & Validation:

Measurable competencies shall be identified and validated for each program/option. These competencies must closely relate to the general outcomes established for the program/option and validation shall be accomplished through a combination of external experts, an industrial advisory committee and, after the program is in operation, follow up studies of program graduates.

2011 ATMAE Team: Mr. Steve Brown, Mr. David Brinkruff & Mr. Stephen Dunn

AAS Information Network Security Specialist:  Compliance  Partial Compliance  Non-Compliance  
AAS Information Network Specialist:  Compliance  Partial Compliance  Non-Compliance  
AAS Information Programmer Analyst:  Compliance  Partial Compliance  Non-Compliance  
AAS Web Analyst Programmer:  Compliance  Partial Compliance  Non-Compliance  
AAS Computer Information Systems:  Compliance  Partial Compliance  Non-Compliance

BPCC Response:

ATMAE visiting team determined that our programs are in full compliance for this standard.

2012 ATMAE Team: Mr. Bob Dixon, Mr. Danny Lawson & Dr. Rick Bateman Jr.

Evidence exists that advisory board members and professionals are involved in establishing and validating competencies. Efforts are being made to validate competencies and tie them back to general outcomes through existing students. However, the programs lack graduate follow up data that can be used for validation purposes.

AAS Information Systems Administration Specialist:  Compliance  Partial Compliance  Non-Compliance  
AAS Oil and Gas Production Technology:  Compliance  Partial Compliance  Non-Compliance  
AAS Construction Technology and Management:  Compliance  Partial Compliance  Non-Compliance

BPCC Response: