



Hey Mr. Stose!

I'd be glad to take part in the advisory committee and try to help out the program anyway I can since it's the reason I am where I am today. I'll list all the info you requested and if you need any additional info just let me know. I look forward to contributing.

Gerod Green
Beech 1900 Pilot (First Officer)
Great Lakes Airlines



PROGRAM REVIEW

Fairmont State Board of Governors

Program with Special Accreditation Program without Special Accreditation

Date Submitted 01/20/2012

Program Aviation Technology

Degree and Title

Bachelor of Science

Aviation Administration, Aviation Administration (Flight Option), Aviation Maintenance Management

INSTITUTIONAL RECOMMENDATION

The institution is obligated to recommend continuance or discontinuance of a program and to provide a brief rationale for its recommendation:

- 1. Continuation of the program at the current level of activity;
- 2. Continuation of program with corrective action (for example, reducing the range of optional tracks or merging programs);
- 3. Identification of the program for further development (for example, providing additional institutional commitment);
- 4. Development of a cooperative program with another institution, or sharing courses, facilities, faculty, and the like;
- 5. Discontinuation of the Program

Rationale for Recommendation:

It is the Aerospace Centers recommendation that the aviation programs continue at the Aerospace Center to continue to develop aviation as a career alternative for the citizens of the state of West Virginia. While the numbers are not large the success of the Center's graduates has been outstanding. Graduates have gone on to careers in aviation administration, professional flight and aviation maintenance management. Aviation continues to grow in the region and the Robert C. Byrd National Aerospace Education Center is the focal point for this growth throughout the state. We continue to serve citizens all over the state in their career development plans in aviation through the Bachelor of Science degree program at Fairmont State University.

We feel that with additional institutional commitment we will continue to grow our programs. Working with local employers and airports we continue to expand the options for the students of the state who are interested in careers in aviation.

Thomas A. Stone
Signature of person preparing report:

1-20-2012
Date

Signature of Dean

Date

Signature of Provost and Vice President for Academic Affairs:

Date

Signature of President:

Date

Signature of Chair, Board of Governors:

Date

Executive Summary for Program Review

(not to be more than 2-3 pages)

Name and degree level of program

Aviation Administration Bachelor of Science (Administration, Flight, Maintenance)

External reviewer(s)

An advisory committee made up of previous graduates have reviewed the programs and made suggestions of modification to the program for continued improvement. They are listed below:

1. Michael P. Jolliff, Pratt & Whitney Canada Senior Field Support Representative
2. Lori Jones, Operations Supervisor, Northwestern Regional Airport Commission
3. Brandon Ballard, USAF Flight Instructor Pilot, United States Air Force
4. Gerod Green, Beech 1900 Pilot (First Officer), Great Lakes Airlines
5. Stephanie Ross, Assistant General Manager, Aurora Flight Sciences

Synopses of significant findings, including findings of external reviewer(s)

The reviewers reviewed the curriculum under the direction from the state to lower the total credit hours needed for graduation. They have reviewed the coursework and made suggestions of certain class reductions to meet the limits set by the state.

Plans for program improvement, including timeline

It is the Aerospace Center's understanding that these proposed changes are required to go through Fairmont State's curriculum committee and Faculty Senate for approval. This report will be followed up with curriculum proposals for all three variations of the degree program and will be put into place as soon as approved by the above groups.

Identification of weaknesses or deficiencies from the previous review and the status of improvements implemented or accomplished.

The previous review was not available for review by the Aerospace Center. Changes are continuously being implemented by the Center. Changes and renovations to the program and the facility have been continuous over the past five years.

Five-year trend data on graduates and majors enrolled

The registrar is providing data on graduates for this report. The Aerospace Center stays in contact with graduates from the previous years and of those contacted they all have gone on to satisfying and successful careers. Several students who graduated with the Associate Degree in aviation maintenance technology have come back to finish their Bachelor's degree in administration.

Summary of assessment model and how results are used for program improvement

The assessment model has been to stay in contact with previous graduates and employers. The results have been used to improve the program with the development of an independent internship as part of the degree program. The addition of an advanced training simulator used in both the flight and maintenance training programs. The results also lead to the addition of supplementary hangar space for the fleet of flight school aircraft, and construction of new classrooms for better educational environment for all students.

Data on student placement (for example, number of students employed in positions related to the field of study or pursuing advanced degrees)

The students graduating from this degree plan have gone on to successful careers in the aviation field. Examples of this would be in the following areas:

1. Manufacturing (Piper, Aurora, Lockheed Martin, and FMW)
2. Maintenance (Bombardier, Pratt & Whitney, WVANG,)
3. Management (Pittsburgh International Airport, Gerald Ford International Airport, Travis City Airport, Atlanta Hartsfield International Airport, US Airways, United Airlines, and City of Las Vegas NV)
4. Military (WVANG, United States Army, and United States Air Force)
5. Flight (AC Express, General Aviation Flight Training, Great Lakes Airlines, Mountain Air Services, Mesa Airlines, Republic Airlines, Trans States Airlines, PSA Airlines Phoenix Air Group, and other Corporate Flight Operations)

Final recommendations approved by governing board

PROGRAM REVIEW

FAIRMONT STATE UNIVERSITY OR PIERPONT COMMUNITY AND TECHNICAL COLLEGE	
Program:	Aviation Technology
School:	Department of Technology
Date:	01-20-2012

Program Catalog Description:

The Bachelor of Science in Aviation Technology is offered to students whose career objective is the management and operation of airside activities in the aviation industry. The program provides the graduate with technical competence in an aviation-related career as well as the skills needed to assume supervisory responsibilities. There are several areas of specialization in this degree: Aviation Administration (which has a focus on management), Aviation Administration with a Flight option, and Aviation Maintenance Management. All Aviation Technology students are required to take the Aviation Common Core requirements listed below.

- Aviation Common Core..... 27-30 SEM. HRS.
- AVMA 3301 AVIATION HISTORY.....3
- AVMA 3302 AVIATION LAW.....3
- AVMA 3303 AIRLINE OPERATIONS.....3
- AVMA 3304 AVIATION MAINTENANCE MANAGEMENT.....3
- AVMA 3305 GENERAL AVIATION OPERATIONS.....3
- AVMA 3307 AVIATION SAFETY.....3
- AVMA 4402 FISCAL ASPECTS OF AVIATION MANAGEMENT.....3
- MANF* 2250 TOTAL QUALITY AND SPC.....3
- MGMT 2209 PRINCIPLES OF MANAGEMENT.....3
- MGMT 3390 HUMAN BEHAVIOR IN ORGANIZATIONS.....3

*Not required for the Aviation Maintenance

VIABILITY (§ 4.1.3.1)

Enrollments

Applicants, graduates	All applicants who are accepted by the University that apply for the aviation program are accepted. The numbers of students are listed for review here. 2009/138 2010/149 2011/155 total plus 68 for Spring 2012 = 510 This material was gather by the registrar's office and is available in an excel format.
Program courses	All students in the degree program are required to complete a common core of aviation classes. These are listed in the catalog description itemized previously in this document.
Service courses	We offer Workforce Development classes for aviation employers in the area
Success rates Serv Crs	All employers have been pleased with the training provided and have returned for new training requirements
ext ed/off campus crses	All Aviation classes are taught at the Aerospace Center
cost/student credit hour	The cost to the student per credit hour with fees was \$216 for on campus resident and \$194 for an off campus resident (2010-2011 Catalog). These costs are adjusted every year as set by the BOG.

Liberal Studies Requirements Met

The General Studies requirements for the Bachelor's Degree are met following the catalog utilized by the student upon their year of entry into the degree program. Each student is met with individually to ensure they meet the requirements in the General Studies area as required by the University.

Assessment Requirements

All students are evaluated through written and oral assessments. Each class has a written component that requires the student to demonstrate competency in the subject area and in written communication competencies. In addition to the written requirements each student is required to develop and present an oral presentation in each aviation common core subject course. Each class also utilizes a comprehensive final exam that assesses the student knowledge gained over the subject material presented during the semester.

An Assessment Committee has also reviewed the curriculum requirements and provided input into an overall program revision that will reduce the number of hours required in each of the degree programs. We will do exit interviews with new graduates to gain feedback on these changes. The plan will stay in touch with the graduates for multiple years after graduation to continue to assess the program on study in the multiple fields of aviation.

Adjunct use

In the past we have used very few adjuncts. The two adjuncts used in the recent past are listed below:

Ms. Stephanie Ross, MBA, West Virginia Wesleyan College

Mr. Nick Keller, Current Graduate Student Purdue University, Technology-MS

In the Flight portion of the Curriculum (FAA certificated Part 141). Part-time instructors are listed below:

Mr. Hugh McKane, Chief Flight Pilot & Manager

Mr. Tim Bayne Asst. Chief Pilot & Flight Instructor

Mr. Chris Elkins Flight Instructor

Mr. Gerod Green Flight instructor (prior)

Mr. Nick Hartzell Flight Instructor (prior)

Mr. Brett Fabian Flight Instructor (prior)

(Report using common data base attached here)

Graduation/Retention Rates

Graduation Rate as reported by Registrar. (also available in Excel format). Our records at the center reflect a higher number of graduates. This does not reflect the number of graduates in the Aviation Maintenance Associate degree program that will come back to complete an Aviation Maintenance Management degree after entering the workforce.

2008 – 1 2009 – 4 2010 – 8 2011 – 3 2012 – 3

The retention rate provided was a combination of the Associate degree program and the Bachelors of Science degree program. It shows a seven year mean of 59.77 to 70.0%.

Previous Program Review Results

The previous Program Review was not available for review, but the Aerospace Center has been continuously updating and revising our educational programs and facilities.

ADEQUACY (§ 4.2.4.2)

Program Requirements:

Liberal Studies	32-42	_47_hrs	List Required General Studies (Proposed 2012)
Major	32-65	_63-80__hrs	List Administration 63, Flight 72, and Maintenance 80 per CFR FAA regulations
Electives	min 21	_6__hrs	Administration only
TOTAL	max 128	_116-127__hrs	116 Administration, 119 Flight, and 127 maintenance

Programs not meeting the above requirements must request a continuation of their exception with a justification below:

The maintenance and flight programs are under approval of the Federal Aviation Administration CFR 147 and 141. Therefore there are hour requirements that must be met to keep the programs certification. Therefore the hours are not flexible and cannot be lowered in core competencies.

Faculty Data

No aviation faculty are listed under the Department of Technology, The following instructors were hired by Fairmont State College and have continued to teach the classes even though they were transferred to PCTC.

Thomas A. Stose, MS Ed Colorado State University, Director/Professor (Current)

Bradford M. Gilbert, MBA, Keller Graduate School, Professor (Current)

Richard Pagan, PhD, West Virginia University, Professor (relocated to another institution)

Pieter Blood, MS Adult Education, Oregon State University, Professor (retired)

Please send additional attached materials.

Accreditation/national standards

This program is certificated in the flight and maintenance portion under the Code of Federal Regulations FAR Part 141 and Part 147. The FAR Part 141 certificate was issued on October 27, 2011 and is in effect until October 31, 2013. The FAR Part 147 certificate was issued on January 12, 1994 and is in effect indefinitely.

NECESSITY (§ 4.1.3.3)

The successes of the Aerospace Graduates have offered them career opportunities in both the state and in other parts of the country. Several of the employers who are pleased with our graduates are listed below:

1. Manufacturing (Piper, Aurora Flight Sciences, Lockheed Martin, and FMW)
2. Maintenance (Bombardier, Pratt & Whitney, WVANG,)
3. Management (Pittsburgh International Airport, Gerald Ford International Airport, Travis City Airport, Atlanta Hartsfield International Airport, US Airways, and United Airlines)
4. Military (WVANG, United States Army, and United States Air Force)
5. Flight (AC Express, General Aviation Flight Training, Great Lakes Airlines, Mountain Air Services, Mesa Airlines, Republic Airlines, Trans States Airlines, PSA Airlines Phoenix Air Group, and other Corporate Flight Operations)

There are no similar Programs in West Virginia.

CONSISTENCY WITH MISSION (§ 4.1.3.4)

The Robert C. Byrd National Aerospace Education Center is located at the North Central West Virginia airport which is about twenty miles from the main campus. Therefore we do not have a chance for a strong relationship with the main campus. We do work with the Criminal Justice department to offer a common class between our programs and the Homeland Security program. This course AVMA 2206 Aviation Security is required by both the aviation programs and the homeland security program students. We do support the mission of the main campus by having our students complete their General Education Requirements through the university. There are no shared faculty or facilities.

Signatures and Recommendations

The required sheet with signatures and recommendation should be used as a cover sheet.

Faculty Data

(No more than TWO pages per faculty member)

Name : Thomas Stose Rank: Professor Pierpont Community & Technical College _____

Check One: Full-time X Part-time _____ Adjunct _____ Graduate Asst. _____

Highest Degree Earned MS ED. Date Degree Received 1975

Conferred by Colorado State University

Area of Specialization Industrial Science with Secondary Administration Certification

Professional registration/licensure X Yrs. of employment at present institution 16

Years of employment in higher education 25 Yrs. of related experience outside higher education 5

Non-teaching experience 25

To determine compatibility of credentials with assignment:

- (a) List courses you taught this year and those you taught last year: (If you participated in team-taught course, indicate each of them and what percent of courses you taught.) For each course include year and semester taught, course number, course title and enrollment.

<u>Year/Semester</u>	<u>Course Number & Title</u>	<u>Enrollment</u>
Spring 2012	AVMA 3399 Special Topics	01
	AVMA 4403 Aviation Project	02
	AVMA 4411 Aviation Industry Internship	04
Fall 2011	AVMA 2213 Airport Planning and Development	15
	AVMA 3304 Aviation Maintenance Management	01
	AVMA 3399 Special Topics	04
	AVMA 4403 Aviation Project	04
	AVMA 4411 Aviation Industry Internship	02
Spring 2011	AVMA 4499 Special Topics	01
	AVMA 3399 Special Topics	01
	AVMA 44032 Aviation Project	01
	AVMA 4411 Aviation Industry Internship	04

- (b) If degree is not in area of current assignment, explain.
My degree is in an area of my current assignment and I also hold certification through the Federal Aviation Administration in both the maintenance and flight areas.
- (c) Identify your professional development activities during the past five years.
- Teledyne Continental Motors Factory Training Course
 - Bombardier Canadair Regional Jet Training Course
 - Boeing 737 – 200/300 Familiarization Course
 - Stavelly Non Destructive Testing Certification Level I Dye Penetrant
 - Stavelly Non Destructive Testing Certification Level I Magnetic Particle

- (d) List awards/honors (including invitations to speak in your area of expertise) or special recognition in last five years.
- West Virginia Community College Association Institutions Outstanding Contributions Award 2009
 - Paul E. Edwards Award for Teaching Excellence(PCTC) 2005-2006
 - FAA AMT Certificate of Excellence Diamond Award (2 years)
 - FAA AMT Certificate of Excellence Ruby Award
 - Dale Hurst Memorial Scholarships – Scholarship
 - Northrop Rice Foundation Instructor Assistance Scholarship - Scholarship
- (e) Indicate any other activities which have contributed to effective teaching.
- Aviation Technician Education Council (ATEC)
 - Vice-President
 - Member of the Executive Board
 - Chair of the Educational Materials Committee (Multiple years)
 - Chair for Call for Papers for the National Conference
 - Chair of Speaker Selection Committee for the National Conference (2 years)
 - Chair for Vendor Relations National Conference (Multiple years)
 - Assignment to National ATEC & FAA Part 147 rule interpretation summit meeting
 - Assignment to ARRAC Part 147 Rule revision conference ATEC representative
 - Professional Aviation Maintenance Association (PAMA)
 - Experimental Aircraft Association (EAA)
 - Aviation Owners & Pilots Association (AOPA)
 - Federal Aviation Safety Team (FAAST) – Team Lead Representative
- (f) List professional books/papers published during the last five years. **None**
- (g) List externally funded research (grants and contracts) during last five years.

1.3 million dollar renovation and upgrade to the Robert C. Byrd National Aerospace Education Center

THOMAS A. STOSE

1002 Sherwood Circle
Bridgeport, WV 26330

(304) 842-7921
(304) 383-3416

EMPLOYMENT EXPERIENCE

Robert C. Byrd National Aerospace Education Center - Pierpont Community & Technical College/Fairmont State University, Fairmont, WV (2008 – Present) – Director/Professor, Aerospace Education.

Fairmont State College/Pierpont Community & Technical College, Fairmont, WV (1996 – 2008) – Associate Professor/Professor, Aerospace Education, Robert C. Byrd National Aerospace Education Center.

American Trade Institutes, Dallas, TX (1996) – Director of Education, A private technical education school.

Hamilton College, Des Moines, IA (1995 – 1996) – Director, A private technical college.

National Education Centers, Ft. Worth, TX (1993 – 1995) – Director of a private technical school of business administration, nursing, and electronics.

United Education and Software, Dallas, TX (1989 – 1993) – Executive Director, Texas Aero Tech, A private technical school of Aviation Maintenance Technology.

United Education and Software, Cheyenne, WY (1986 – 1989) – Executive Director, Cheyenne Aero Tech, A private technical school of Aviation Maintenance Technology.

Frontier Airlines, Cheyenne, WY (1985 – 1986) – Director of Operations/Education, Cheyenne Aero Tech, A private technical school of Aviation Maintenance Technology.

Frontier Airlines, Cheyenne, WY (1984 – 1985) – Supervisor of Instruction, Cheyenne Aero Tech, A private technical school of Aviation Maintenance Technology.

Frontier Airlines, Cheyenne, WY (1984) – Instructor, Cheyenne Aero Tech, A private technical school of Aviation Maintenance Technology.

AirWest Helicopters & Aviation, Fort Collins, CO (1981 – 1983) – A rotary and fixed wing contract maintenance operation. Included both fieldwork and hangar maintenance at several locations.

EDUCATIONAL WORK EXPERIENCE

Thompson R2-J School District, Loveland, CO (1975 – 1981) – Teacher, Big Thompson High School, A public four-year high school. Instructor in the Industrial Education Department.

Colorado State University, Fort Collins, CO (1974 – 1975) – Graduate Teaching Assistant, Department of Industrial Sciences, A State Baccalaureate and Post-Graduate University.

Pleasant Local Schools, Marion, OH (1970 – 1973) – Teacher and Coach, Pleasant High School and Pleasant Junior High, A public high school and junior high system.

EDUCATION

West Virginia University, Morgantown, WV (1999-2000) - Postgraduate studies

Colorado State University, Fort Collins, CO (1975) – Master of Science: Industrial Education and Certification High School Administration.

The Ohio State University, Columbus, OH (1974) – Bachelor of Science: Industrial Technology.

TECHNICAL EDUCATION

Colorado Aero Tech, Denver, CO (1982) – Airframe & Powerplant License

Professional Development Training

- Teledyne Continental Motors Factory Training Course
- Bombardier Canadair Regional Jet Training Course
- Boeing 737 – 200/300 Familiarization Course
- Stavelly Non Destructive Testing Certification Level I Dye Penetrant
- Stavelly Non Destructive Testing Certification Level I Magnetic Particle
- Bell Helicopter Training, Bell 206 L-1/3
- Federal Aviation Administration (FAA) Inspection Authorization Renewal Seminar 1998-2010
- Federal Aviation Administration (FAA) Part 139 Airport Workshop
- FAA Crash Fire and Rescue Program
- Larimer County Crisis & Information Helpline Counselor Certificate
- Aviall, Pratt & Whitney PT-6 Training
- NATTS, Executive Management Development Program

CERTIFICATION

FAA Airman Certificate – Airframe & Powerplant

FAA Private Pilot License

Colorado Type A1 Teacher Certificate

Colorado Vocation Teacher Certificate

Colorado Type D Administration Certificate

Texas Private School Director Certificate

Ohio Secondary Teaching Certificate

Sylvan Authorized Prometric Test Center Administrator

NATIONAL ORGANIZATIONS

Aviation Technician Education Council (ATEC)

- Vice-President
- Member of the Executive Board
- Chair of the Educational Materials Committee (Multiple years)
- Chair for Call for Papers for the National Conference
- Chair of Speaker Selection Committee for the National Conference (2 years)
- Chair for Vendor Relations National Conference (Multiple years)
- Assignment to National ATEC & FAA Part 147 rule interpretation summit meeting
- Assignment to ARRAC Part 147 Rule revision conference ATEC representative

Professional Aviation Maintenance Association (PAMA)

Aviation Owners & Pilots Association (AOPA)

Federal Aviation Safety Team (FAAST) – Team Lead Representative

HONORS

West Virginia Community College Association Institutions Outstanding Contributions Award 2009

Paul E. Edwards Award for Teaching Excellence(PCTC) 2005-2006

FAA Certificate of Excellence Diamond Award (2 years)

FAA Certificate of Excellence Ruby Award

Dale Hurst Memorial Scholarships – Scholarship

Northrop Rice Foundation Instructor Assistance Scholarship - Scholarship

Volunteer Crisis Counselor Colorado – Certificate

Aviation Maintenance Journal Foundation – Scholarship

Colorado Aero Tech – Outstanding Student Scholarship

Phi Delta Kappa – Honorary Fraternity

Colorado State University – Graduate Assistantship and Scholarship

Ohio State University – Scholarship

Epsilon Phi Tau – Co-Advisor

Alpha Eta Rho – Co-Advisor

Faculty Data

(No more than TWO pages per faculty member)

Name : Brad M. Gilbert Rank: Professor

Check One: Full-time X Part-time _____ Adjunct _____ Graduate Asst. _____

Highest Degree Earned Masters Date Degree Received 1993

Conferred by Keller Graduate School of Management

Area of Specialization Management Operations

Professional registration/licensure _____ Yrs. of employment at present institution _____

Years of employment in higher education 20 Yrs. of related experience outside higher education 12

Non-teaching experience 14

To determine compatibility of credentials with assignment:

- (a) List courses you taught this year and those you taught last year: (If you participated in team-taught course, indicate each of them and what percent of courses you taught.) For each course include year and semester taught, course number, course title and enrollment.

<u>Year/Semester</u>	<u>Course Number & Title</u>	<u>Enrollment</u>
2010/Fall	AVMT-1103-01 Aviation Shop Practices	21
2010/Fall	AVMT-1103-02 Aviation Shop Practices	23
2010/Fall	AVMA-3305-01 General Aviation Operations	18
2010/Fall	AVMA-4402-02 Fiscal Aspects of Aviation	2
2011/Spring	AVMT-2210-01 Non-Metallic Structures	15
2011/Spring	AVMT-2210-02 Non-Metallic Structures	13
2011/Spring	AVMA-3302-01 Aviation Law (Team 50%)	27
2011/Spring	AVMA-3301-01 Aviation History	27
2011/Summer	AVMT-2204-01 Propeller Systems	15
2011/Summer	AVMT-2204-02 Propeller Systems	16
2011/Summer	AVMA-3305-01 General Aviation Operations	1
2011/Fall	AVMT-1103-01 Aviation Shop Practices	16
2011/Fall	AVMT-1103-02 Aviation Shop Practices	16
2011/Fall	AVMA-4402-02 Fiscal Aspects of Aviation	20
2012/Spring	AVMT-2210-02 Non-Metallic Structures	16
2012/Spring	AVMT-2202-01 Aircraft Sheet Metal Structures	16
2012/Spring	AVMA-3303-01 Airline Operations	26
2012/Spring	AVMA-3305-01 General Aviation Operations	1

- (b) If degree is not in area of current assignment, explain. **Degree is in area of current assignment**

- (c) Identify your professional development activities during the past five years.

- Currently in my second year of doctoral studies at West Virginia University concentrating studies in Curriculum and Instruction with a focus on Pedagogical Content Knowledge related to Aviation Maintenance education.
- Completed a 10 week Online Teacher Training Course sponsored by Fairmont State University 2008.
- Attended recurrent DME training conducted by the FAA, every second year for the past 12 years.

- Studied for and passed the FAA Inspection Authorization certification examination and attend annual recurrent training sessions sponsored by the FAA.
- Attended annual FAA Inspection Authorization Recurrent Training Courses for the past 18 years
- Administered FAA DME Oral and Practical tests for Pratt and Whitney employees in support of industry training and development for the local aviation community.
- As the only Federal Aviation Administration (FAA) Designated Mechanic Examiner in the region, I work closely with FAA Flight Standards District Office Inspectors, testing all of the NAEC aircraft maintenance students applying for the 18 hour Oral and Practical Examination.
- Mentor new faculty members Bruce Dawson and Nicholas George.
- Currently assisting Brian Floyd, Faculty Assembly President, on the Faculty Handbook Committee revisions.
- Team member Leadership Fairmont State Program during the 2009-2010 academic year.
- Annual Fall and Spring Pierpont Community and Technical College Faculty Development attendance.

(d) List awards/honors (including invitations to speak in your area of expertise) or special recognition in last five years.

- In addition to normal teaching loads, was appointed Associated Director of the NAEC during the 2009-2010 academic year
- Recognized by President Dr. Larson before the Pierpont Community and Technical College Board of Governors for letter of accommodation written by former student Greg Bartlett fall semester 2011.
- Active and founding member of the Nutter Fort Lions Club.
- Received the Excellence in Advising Award for Pierpont Community and Technical College Spring 2010.
- Training presentations for FAA Inspection Authorization Recurrent Training Course 2007.
- Training presentations for FAA Inspection Authorization Recurrent Training Course 2008.
- Training presentations for FAA Inspection Authorization Recurrent Training Course 2009.
- Profession presentation made to the Taylor County Chamber of Commerce May 2008.
- Profession presentation made to the "Women in the Workforce" Conference April 2009.

(e) Indicate any other activities which have contributed to effective teaching.

- Currently in my second year of doctoral studies at West Virginia University concentrating studies in Curriculum and Instruction with a focus on Pedagogical Content Knowledge related to Aviation Maintenance education.
- Updated and improved many of the FAA laboratory projects currently used for instruction in my courses and being used in classes taught by other NAEC faculty.
- Purchased and implemented "clicker responders" for classroom curriculum improvements.
- Painted and upgraded AVMT 1103 Basic Shop Practices machining lathes.
- Developed and implemented student engagement learning activities and strategies to enhance course curriculum; shared these techniques with fellow faculty.
- Completed Piper Cherokee PA-140 aircraft painting project during summer 2009 improving NAEC aircraft fleet.
- Designed and constructed down-draft air ventilation system for the NAEC composites shop
- Assumed additional teaching loads upon request during the spring 2010 academic year due to retirement of faculty.
- During my faculty tenure I have taught all of the Fairmont State University Aviation Maintenance Management curriculum common core classes one or more times and have taught Introduction to Air Traffic Control and Advanced Air Traffic Control courses for the flight curriculum students.
- Of the 17 courses required in the NAEC Aviation Technology curriculum I have taught all but four of the courses one or more times.
- Developed new lab projects for the aviation shop practices course AVMT 1103.
- Developed all lab projects currently being implemented in the NAEC non-metallic structures course AVMT 2210.
- Developed all lab projects currently being implemented in the NAEC sheet metal course AVMT 2202.

(f) List professional books/papers published during the last five years. **None**

(g) List externally funded research (grants and contracts) during last five years. **None**

BRAD MAURICE GILBERT

29 Long Meadow Drive

Bridgeport, WV 26330

Home: 304-842-6777 Cell: 304-669-5372

OBJECTIVE

To obtain a position where administrative ability, technical knowledge, and communication skills will be an asset in providing quality service to customers.

PROFESSIONAL SKILLS

- Proven ability to organize and implement technical projects.
 - Responsible for engineering projects on Boeing 747 and 767 aircraft systems.
 - Created training manuals for technical writing staff.

- Knowledgeable in industrial production, material distribution, and sales.
 - Performed production operations for a heavy equipment diesel engine manufacturer.
 - Directed inventory planing and stores department to assure availability of project materials.

- Excellent written and verbal communication skills.
 - Experienced technical documents writer for a major airline.
 - Edited several aviation trade journal articles.
 - Taught numerous collegiate courses and industry training sessions.

- Ability to positively motivate others.
 - Planned and directed employees during fast-paced aircraft maintenance operations for United Airlines, Inc.
 - Advised college students regarding academic performance and career guidance.

- Self-motivated and able to work with limited direct supervision.
 - Managed evening operationfor aircraft charter and ramp service operations.
 - Developed many college courses related to Aviation and Management.
 - Proven desire to constantly improve the quality of my services.

- Experienced in the operation and repair of large aircraft.
 - Accomplished many mechanical repairs on large aircraft for three major airlines.

EDUCATION

West Virginia University, Doctoral Studies
Curriculum and Instruction, Expected Spring 2015

Keller Graduate School, Masters of Business Administration,
Operations Management, August 1992.

Southern Illinois University, Bachelor of Science,
Aviation Management, May 1985.

Miami-Dade Community College, Associate of Arts,
Business Administration, August 1983.

Eastern Airlines, Inc., Specialized Mechanic Training,
Aircraft Systems, July 1981

Southern Illinois University, Associate of Science,
Aviation Technology, December 1980.

EXPERIENCE

August 1992
Present

Fairmont State College, Professor - Aviation Maintenance and Management,
Developed and instructed college level courses related to Airline Operations, to
Aviation Safety, Maintenance Management, Aviation Financing, Aviation
History, and Legal Aspects of Aviation. Prepared FAR 147 course work criteria
for Aircraft Sheet Metal, Aircraft Utility Systems, Reciprocating Engine
Overhaul, Turbine Engines, Aircraft Propeller Systems, and Composite Structures

FAA Designated Maintenance Examiner

January 1981
to August 1992

United Airlines, Inc., Aircraft Maintenance Supervisor

Station Maintenance Controller
March 1989 to August 1992

Engineering Technician
August 1987 to March 1989

Airframe and Powerplant Mechanic
March 1986 to August 1987

Continental Airlines, Inc.
Airframe and Powerplant Mechanic
June 1985 to March 1986

Eastern Airlines, Inc.
Airframe and Powerplant Mechanic
January 1981 to March 1983

**APPENDIX I
Faculty Data**

Name: Richard B. Pagan Rank: Assistant Professor

Check one:

Full time X Part-time _____ Adjunct _____ Graduate Asst. _____

Highest Degree Earned: Master of Aeronautical Science Date Degree Received: May 2003

Conferred by: Embry-Riddle Aeronautical University

Area of Specialization: Human Factors & Aviation Safety

Professional registration/licensure:

FCC General Radio-telephone Operator's License
Aircraft Electronics Association (AEA) Academic Member
Air Force Sergeants' Association

Yrs. of employment at present institution: 6

Years of employment in higher education: 6

Yrs. of related experience outside higher education: 6 (Air Force Training Instructor)

Non-teaching experience: 20 years

To determine compatibility with assignment:

(a) List courses you taught this year and last year: (If you participated in team-taught course, indicate each of them and what percent of course you taught.) For each course include year and semester taught, course number, course title, and enrollment>

<u>Year/Semester</u>	<u>Course Number & Title</u>	<u>Enrollment</u>
03/Spring	AP 109 Aircraft Electronics	11
03/Spring	AM 211 Airport Management	8
03/Spring	AV206 Aircraft Communication Systems	6
03/Spring	AV 208 Avionics Maintenance Practices	6
03/Spring	AV 209 Aircraft Pulse & radar Systems	4
02/Fall	AV 102 Radio Transmitters & Receivers	5
02/Fall	AV 110 Aircraft Power & Distribution Systems	13
02/Fall	AV 110 Aircraft Power & Distribution Systems	14
02/Fall	AV 200 Electronic Flight Management Systems	7
02/Fall	AV 204 Aircraft Navigation Systems	9

(b) If degree is not in area of current assignment, explain: NA

(c) Identify your professional development activities during the past five years.

- Completed a Graduate Research Project, Apr.03 – fulfilling graduation requirements for the Masters degree in Aeronautical Science

PIETER H. BLOOD, MS.Ed
29361 Dane Lane
Junction City, Oregon 97448
ph 001-503-998-3570 - fax 001-503-998-2889

SUMMARY OF WORK EXPERIENCE & QUALIFICATIONS

Current instructional experience with the Faculties of Aviation Maintenance Technology of Portland Community College, Portland, OR and the Dubai Men's College, UAE. More than sixteen years of aviation management and technical aircraft maintenance experience. Twenty-eight months of Middle East multi-cultural training experience as an on-the-job Certified "A" Aircraft Engineer/Instructor for Saudi Arabian Airlines in Jeddah. Current teaching and curriculum development experience with a U.S. community college adult apprenticeship training program. Recent experience in training program analysis, documentation and evaluation. Current graduate level training includes adult education training program planning and international training project development and management. Seventeen years of small business ownership and management experience in both aviation and agriculture related fields.

EMPLOYMENT HISTORY

Portland Community College, Portland, Oregon USA (Dec 1993-present); Faculty, Aviation Technology Dept., Rock Creek.

Higher Colleges of Technology, Dubai, United Arab Emirates (Aug 1992-Jul 1993); Faculty, Aviation Technology, Dubai Men's College, Dubai.

Lane Community College, Eugene, Oregon USA (Jan 1991-Jul 1992); Instructor, Apprenticeship Training Program.

Eugene Area School Districts, Eugene, Oregon USA (Sep 1989-June 1992); Substitute Vocational Education Teacher.

AMR Services, Eugene, Oregon USA (Jul 1989-Jul 1992); Contract emergency aircraft systems trouble-shooting and repairs. Aircraft Types: McDonnell Douglas MD-80; Boeing 727; Boeing 737-200 & 400.

Saudi Arabian Airlines, Jeddah, Saudi Arabia (Jul 1984-Nov 1986); Certified "A" aircraft Engineer/Instructor. Aircraft Types: Boeing 747-200, 400 & SP; L-1011, Air Bus A300-600, Boeing 737-200 & Boeing 707.

Aviation General, Inc., Seattle, Washington USA (Aug 1967-Apr 1973); General Manager, FAA Part 145 Certified Aircraft Repair Station. Aircraft Types: General Aviation

Rent Aire, Inc., Seattle, Washington USA (Mar 1970-Sep 1971); General Manager and Commercial Pilot.

West Coast Airlines, Seattle, Washington USA (Jun 1963-Mar 1968)
Airframe & Powerplant Mechanic. Aircraft Types: McDonnell
Douglas DC-9, F27 & DC-3, Piper Navajo.

Other Diverse Work Experience

Raymond H. Blood Farms, Inc., Junction City, Oregon USA (Apr
1973-Jul 1984); General Manager - 1000 Acre Diversified Row
Crop & Grain Farm.

EDUCATION

Masters of Science, 1991 - Major: Adult Education Training and
Development; Specializing in Vocational Education and
International Training Project Development and Management.
Thesis Topic: "A Manager's Planning Guide For International
Training Using Total Project Acculturation: Culturally Adapted
Management and Learning Methodologies." Oregon State University,
Corvallis, Oregon USA.

Bachelor of Science, 1989 - Industrial and Vocational Education,
Oregon State University, Corvallis, Oregon USA.

Associate of Applied Science, 1989 - Aviation Maintenance
Technology. Lane Community College, Eugene, Oregon USA.

TECHNICAL TRAINING

Airframe & Powerplant Mechanics License
Eugene Technical and Vocational School, Eugene, Oregon USA.

Aircraft Systems Training
American - Horizon - Saudia - TWA - West Coast - United -
U.S. Air.

Commercial & Instrument Pilot Ratings
Seattle Flight Service - Northwest School of Aviation -
Alpine Helicopters, Seattle, Washington USA.

CERTIFICATIONS

- o FAA Airframe and Powerplant Mechanics License 1547983
- o Airframe and Powerplant License, The Kingdom of
Saudi Arabia M2829
- o DGCA Approval, United Arab Emirates AW/060/93
- o FAA Commercial and Instrument Pilot Rating 1641656
- o U.S. Restricted Radio and Telephone License 14H1853
- o U.S. Teaching Certificate 273503

Fairmont State University

Aviation Administration Bachelors of Science Advisory Committee

1. Michael P. Jolliff

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Senior Field Support Representative
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2. Lori Jones, Operations Supervisor

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Northwestern Regional Airport Commission
727 Fly Don't Drive
Traverse City, MI 49686
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3. Brandon Ballard USAF Flight Instructor Pilot

United States Air Force
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4. Gerod Green
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My email: gerod.green@gmail.com
Cell: (304) 543-1029
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Beech 1900 Pilot (First Officer)
Great Lakes Airlines
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Cheyenne, WY 82001
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5. Stephanie Ross
Aurora Flight Sciences
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stephross7034@frontier.com

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number Q20S831K

This certificate is issued to

ROBERT C. BYRD
NATIONAL AEROSPACE EDUCATION CENTER

whose business address is

1050 EAST BENEDUM INDUSTRIAL DRIVE
BRIDGEPORT, WV 26630

*upon finding that its organization complies in all respects
with the requirements of the Federal Aviation Regulations
relating to the establishment of an Air Agency, and is
empowered to operate an approved* PILOT SCHOOL.

with the following ratings:

PRIVATE PILOT COURSE
COMMERCIAL PILOT COURSE
INSTRUMENT RATING COURSE
ADDITIONAL AIRCRAFT CATEGORY OR CLASS RATING COURSE

*This certificate, unless canceled, suspended, or revoked,
shall continue in effect* UNTIL 10/31/2013.

Date issued:

OCTOBER 27, 2011

By direction of the Administrator


for LARRY L. LAGANA
MANAGER, AEA-FSDO-09

**This Certificate is not Transferable, and ANY MAJOR CHANGE IN THE BASIC FACILITIES, OR IN THE LOCATION THEREOF,
SHALL BE IMMEDIATELY REPORTED TO THE APPROPRIATE REGIONAL OFFICE OF THE FEDERAL AVIATION ADMINISTRATION**

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number MUET028K

This certificate is issued to
ROBERT C. BYRD
NATIONAL AEROSPACE EDUCATION CENTER
whose business address is

**1050 EAST BENEDUM INDUSTRIAL DRIVE
BRIDGEPORT, WV 26330**

*upon finding that its organization complies in all respects
with the requirements of the Federal Aviation Regulations
relating to the establishment of an Air Agency, and is
empowered to operate an approved AVIATION MAINTENANCE
TECHNICIAN SCHOOL with the following ratings:*

**AIRFRAME
POWERPLANT
AIRFRAME/POWERPLANT**

*This certificate, unless canceled, suspended, or revoked,
shall continue in effect INDEFINITELY.*

Date issued:

JANUARY 12, 1994

By direction of the Administrator



LARRY L. LAGANA

MANAGER, AEA-FSDO-09

**This Certificate is not Transferable, AND ANY MAJOR CHANGE IN THE BASIC FACILITIES, OR IN THE LOCATION THEREOF,
SHALL BE IMMEDIATELY REPORTED TO THE APPROPRIATE REGIONAL OFFICE OF THE FEDERAL AVIATION ADMINISTRATION**

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both



**Aviation Administration
Professional Flight
Bachelor of Science
140 Semester Hours
Degree Plan**

Name _____ Advisor _____

SS# _____ Address _____

TECHNICAL CORE (48 credits)

AVMA	1101	3	Private Pilot Technology
AVMA	1103	3	Private Pilot Flight Lab.
AVMA	1102	3	Intro to Air Traffic Control
AVMA	2201	3	Instrument Pilot Technology
AVMA	2204	3	Instrument Pilot Flight Lab.
AVMA	2211	3	Airport Management
AVMA	2213	3	Airport Planning and Development
AVMA	2214	3	Adv. Air Traffic Control Procedures
AVMA	3300	3	Commercial Pilot Technology
AVMA	3306	3	Commercial Pilot Flight Lab.
SFTY	1100	3	Safety & Envir. Components of Ind.
SFTY	1150	3	Safety Techniques & Practices
ACCT	2201	3	Principles of Accounting I
BUSN	3310	3	Business & Economics Statistics
MGMT	4405	3	Operations Management
MKTG	2204	3	Principles of Marketing

AVIATION COMMON CORE (30 credits)

AVMA	3301	3	Aviation History
AVMA	3302	3	Aviation Law
AVMA	3303	3	Airline Operations
AVMA	3304	3	Aviation Maintenance Management
AVMA	3305	3	General Aviation Operations
AVMA	3307	3	Human Factors in Aviation Safety
AVMA	4402	3	Fiscal Aspects of Aviation
MANF	2250	3	Total Quality SPC
MGMT	2209	3	Principles of Management
MGMT	3390	3	Human Behavior in Organizations

LIBERAL STUDIES (56 credits)

COMP	1101	3	Applied Technical Programming
ECON	2200	3	Economics
ENGL	1104	3	Written English I
ENGL	1108	3	Written English II
ENGL	1109	3	Technical Report Writing
INFO	1100	3	Computer Concepts & Applications
MATH	1101	3	Applied Technical Math I
MATH	1102	3	Applied Technical Math II
PHYS	1101	4	Introduction to Physics I
PHYS	1102	4	Introduction to Physics II
PSYC	1101	3	Introduction to Psychology
COMM	2200		Intro to Human Communication
	2201	3	Intro to Group Discussion
	2202		Intro to Comm in the World of Work
SOCY	1110	3	Introduction to Sociology
		9	Cultural/Civilization Exploration
		6	Artistic/Creative Expression

TECHNICAL CORE ELECTIVES (3 credits)

AVMA	2206	3	Aviation Security
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AVIATION ELECTIVES (3 credits)

AVMA	4403	1-4	Aviation Project
AVMA	2230	1-3	CFI
AVMA	2299	1-3	CFII

BSAVMAPF – Gray
Revised – 04/27/2010

Notes to Degree Plan:

1. All aviation AVMA courses are offered on a twelve to eighteen month rotation.
2. This Degree plan is only a model. The catalog is the official record that should be adhered to by the student for all course requirements.

COMMENTS:



**Aviation Administration
Professional Flight
Bachelor of Science
119 Semester Hours
Degree Plan**

Name _____ Advisor _____

SS# _____ Address _____

TECHNICAL CORE (42 credits)

AVMA 1101	3	Private Pilot Technology
AVMA 1103	3	Private Pilot Flight Lab.
AVMA 1102	3	Intro to Air Traffic Control
AVMA 2201	3	Instrument Pilot Technology
AVMA 2204	3	Instrument Pilot Flight Lab.
AVMA 2206	3	Aviation Security
AVMA 2211	3	Airport Management
AVMA 2213	3	Airport Planning and Development
AVMA 3300	3	Commercial Pilot Technology
AVMA 3306	3	Commercial Pilot Flight Lab.
SFTY 1100	3	Safety & Envir. Components of Ind.
SFTY 1150	3	Safety Techniques & Practices
ACCT 2201	3	Principles of Accounting I
MKTG 2204	3	Principles of Marketing

AVIATION COMMON CORE (30 credits)

AVMA 3301	3	Aviation History
AVMA 3302	3	Aviation Law
AVMA 3303	3	Airline Operations
AVMA 3304	3	Aviation Maintenance Management
AVMA 3305	3	General Aviation Operations
AVMA 3307	3	Human Factors in Aviation Safety
AVMA 4402	3	Fiscal Aspects of Aviation
MANF 2250	3	Total Quality SPC
MGMT 2209	3	Principles of Management
MGMT 3390	3	Human Behavior in Organizations

GENERAL STUDIES (47 credits)

ECON 2200	3	Economics
ENGL 1104	3	Written English I
ENGL 1109	3	Technical Report Writing
INFO 1100	3	Computer Concepts & Applications
MATH 1101	3	Applied Technical Math I
MATH 1102	3	Applied Technical Math II
PHYS 1101	4	Introduction to Physics I
PHYS 1102	4	Introduction to Physics II
PSYC 1101	3	Introduction to Psychology
COMM 2200		Intro to Human Communication
2201	3	Intro to Group Discussion
2202		Intro to Comm in the World of Work
	9	Cultural/Civilization Exploration
	6	Artistic/Creative Expression

BSAVMAPF – Gray
Revised – 01/17/2012

*Degree Plan Notes on reverse side

Notes to Degree Plan:

1. All aviation AVMA courses are offered on a twelve to eighteen month rotation.
2. This Degree plan is only a model. The catalog is the official record that should be adhered to by the student for all course requirements.

COMMENTS:



**Aviation Administration Management
Bachelor of Science
134 Semester Hours
Degree Plan**

Name _____ Advisor _____

SS# _____ Address _____

TECHNICAL CORE (36 credits)

AVMA 1100	3	Aircraft Flight Theory
AVMA 1102	3	Intro to Air Traffic Control
AVMA 2210	3	Aviation Meteorology
AVMA 2211	3	Airport Management
AVMA 2213	3	Airport Planning and Development
AVMA 2214	3	Advanced Air Traffic Control
BUSN 3310	3	Business & Economics Statistics
SFTY 1100	3	Safety & Envir. Components of Ind.
SFTY 1150	3	Safety Mgt. & Concepts in Accident Prevention
ACCT 2201	3	Principles of Accounting
MGMT 4405	3	Operations Management
MKTG 2204	3	Principles of Marketing

LIBERAL STUDIES (56 credits)

COMP 1101	3	Applied Technical Programming
INFO 1100	3	Computer Concepts & Applications
MATH 1101	3	Applied Technical Math I
MATH 1102	3	Applied Technical Math II
ECON 2200	3	Economics
ENGL 1104	3	Written English I
ENGL 1108	3	Written English II
ENGL 1109	3	Technical Report Writing
COMM 2200		Intro to Human Communication
2201	3	Intro to Group Discussion
2202		Intro to Comm in the World of Work
PSYC 1101	3	Introduction to Psychology
SOCY 1110	3	Introduction to Sociology
PHYS 1101	4	Introduction to Physics I
PHYS 1102	4	Introduction to Physics II
	9	Cultural/Civilization Exploration
	6	Artistic/Creative Expression

AVIATION COMMON CORE (30 credits)

AVMA 3301	3	Aviation History
AVMA 3302	3	Aviation Law
AVMA 3303	3	Airline Operations
AVMA 3304	3	Aviation Maintenance Management
AVMA 3305	3	General Aviation Operations
AVMA 3307	3	Human Factors in Aviation Safety
AVMA 4402	3	Fiscal Aspects of Aviation
MANF 2250	3	Total Quality & SPC
MGMT 2209	3	Principles of Management
MGMT 3390	3	Organizational Behavior

TECHNICAL CORE ELECTIVES (3 credits)

AVMA 2206	3	Aviation Security
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AVIATION ELECTIVES (9 credits)

AVMA 4401	3	Industry & Research Analysis
AVMA 3399	1-12	Special Topics
AVMA 4411	3	Industry Management Intern.

Notes to Degree Plan:

1. All aviation AVMA courses are offered on a twelve to eighteen month rotation.
2. Flight option available if desired.
3. This Degree plan is only a model. The catalog is the official record that should be adhered to by the student for all course requirements.

COMMENTS:



**Aviation Administration Management
Bachelor of Science
116 Semester Hours
Degree Plan**

Name _____ Advisor _____

SS# _____ Address _____

TECHNICAL CORE (33 credits)

AVMA 1100	3	Aircraft Flight Theory
AVMA 1102	3	Intro to Air Traffic Control
AVMA 2206	3	Aviation Security
AVMA 2210	3	Aviation Meteorology
AVMA 2211	3	Airport Management
AVMA 2213	3	Airport Planning and Development
BUSN 3310	3	Business & Economics Statistics
SFTY 1100	3	Safety & Envir. Components of Ind.
SFTY 1150	3	Safety Mgt. & Concepts in Accident Prevention
ACCT 2201	3	Principles of Accounting
MKTG 2204	3	Principles of Marketing

AVIATION COMMON CORE (30 credits)

AVMA 3301	3	Aviation History
AVMA 3302	3	Aviation Law
AVMA 3303	3	Airline Operations
AVMA 3304	3	Aviation Maintenance Management
AVMA 3305	3	General Aviation Operations
AVMA 3307	3	Human Factors in Aviation Safety
AVMA 4402	3	Fiscal Aspects of Aviation
MANF 2250	3	Total Quality & SPC
MGMT 2209	3	Principles of Management
MGMT 3390	3	Organizational Behavior

GENERAL STUDIES (47 credits)

INFO 1100	3	Computer Concepts & Applications
MATH 1101	3	Applied Technical Math I
MATH 1102	3	Applied Technical Math II
ECON 2200	3	Economics
ENGL 1104	3	Written English I
ENGL 1109	3	Technical Report Writing
COMM 2200		Intro to Human Communication
2201	3	Intro to Group Discussion
2202		Intro to Comm in the World of Work
PSYC 1101	3	Introduction to Psychology
PHYS 1101	4	Introduction to Physics I
PHYS 1102	4	Introduction to Physics II
	9	Cultural/Civilization Exploration
	6	Artistic/Creative Expression

AVIATION ELECTIVES (6 credits)

AVMA 4401	3	Industry & Research Analysis
AVMA 3399	1-12	Special Topics
AVMA 4411	3	Industry Management Intern.

Notes to Degree Plan:

1. All aviation AVMA courses are offered on a twelve to eighteen month rotation.
2. Flight option available if desired.
3. This Degree plan is only a model. The catalog is the official record that should be adhered to by the student for all course requirements.

COMMENTS:



Aviation Maintenance Management Bachelor of Science 145 Semester Hours Degree Plan

Name _____

Advisor _____

SS# _____

Address _____

TECHNICAL CORE (56 credits)

AVMT 1101	3	Introduction to Aviation Maintenance
AVMT 1102	3	Aircraft Regulations & Publications
AVMT 1103	3	Aviation Shop Practices
AVMT 1105	3	Aircraft Utility Systems
AVMT 2211	3	Aircraft Avionics & Information Systems
AVMT 1109	3	Aircraft Electronics
AVMT 2201	3	Reciprocating Engines & Systems
AVMT 2202	3	Aircraft Sheet Metal Structures
AVMT 2203	5	Recip. Engine Maintenance & Return to Service
AVMT 2204	3	Aircraft Propeller & Control Systems
AVMT 2205	3	Turbine Engines & Systems
AVMT 2206	3	Aircraft Fluid Power & Landing Gear Systems
AVMT 2207	3	Turbine Engine Maintenance & Inspection
AVMT 2208	3	Cabin Atmosphere Control Systems
AVMT 2209	3	Airframe Inspection & Flight Control Systems
AVMT 2210	3	Non-Metallic Structures
AVIO 1110	3	Aircraft Power Generation & Distribution Systems
MATH 1101	3	Applied Technical Math I

AVIATION COMMON CORE (30 credits)

AVMA 3301	3	Aviation History
AVMA 3302	3	Aviation Law
AVMA 3303	3	Airline Operations
AVMA 3304	3	Airline Maintenance Management
AVMA 3305	3	General Aviation Operations
AVMA 3307	3	Human Factors in Aviation
AVMA 4402	3	Fiscal Aspects of Aviation Management
MANF 2250	3	Total Quality & SPC
MGMT 2209	3	Principles of Management
MGMT 3390	3	Organizational Behavior

TECHNICAL CORE ELECTIVES (3 credits)

AVMA 4404	3	Advanced Composite Structures	or
AVMA 4405	3	Advanced Non-Destructive Testing	

LIBERAL STUDIES (53 credits)

MATH 1102	3	Applied Technical Math II
COMP 1101	3	Applied Technical Programming
INFO 1100	3	Computer Concepts & Applications
ENGL 1104	3	Written English I
ENGL 1108	3	Written English II
ENGL 1109	3	Technical Report Writing
COMM 2200		Intro to Human Communications
2201	3	Intro to Group Discussion
2202		Intro to Comm in the World of Work
PSYC 1101	3	Introduction to Psychology
SOCY 1110	3	Introduction to Sociology
ECON 2200	3	Economics
PHYS 1101	4	Introduction to Physics I
PHYS 1102	4	Introduction to Physics II
	9	Cultural/Civilization Exploration
	6	Artistic/Creative Expression

AVIATION ELECTIVES (3 credits)

AVMA 4401	3	Aviation Industry Research & Analysis
AVMA 4403	1-4	Aviation Project
AVMA 1199	1-12	Special Topics
AVMA 2299	1-12	Special Topics
AVMA 4411	1-12	Aviation Industry Internship

BSAVMT – Blue

Revised – 04/27/2010

*Degree Plan Notes on reverse side

Notes to Degree Plan:

1. The AVMT 2299 FAA Capstone Review Class is offered in the summer as needed each year to prepare second-year AMT Majors for taking the FAA written, oral and practical A & P certification exams. This class, while highly recommended, is not an FAA certificate requirement.
2. All First Semester classes (AVMT 1101,1102, & 1103) are pre-requisites for all subsequent classes.
3. All aviation AVMA courses are offered on a twelve to eighteen month rotation.
4. This degree plan is only a model. The catalog is the official record that should be reviewed and adhered to by the student for all course requirements.

COMMENTS: _____



**Aviation Maintenance Management
Bachelor of Science
127 Semester Hours
Degree Plan**

Name _____

Advisor _____

SS# _____

Address _____

TECHNICAL CORE (53 credits)

AVMT 1101	3	Introduction to Aviation Maintenance
AVMT 1102	3	Aircraft Regulations & Publications
AVMT 1103	3	Aviation Shop Practices
AVMT 1105	3	Aircraft Utility Systems
AVMT 2211	3	Aircraft Avionics & Information Systems
AVMT 1109	3	Aircraft Electronics
AVMT 2201	3	Reciprocating Engines & Systems
AVMT 2202	3	Aircraft Sheet Metal Structures
AVMT 2203	5	Recip. Engine Maintenance & Return to Service
AVMT 2204	3	Aircraft Propeller & Control Systems
AVMT 2205	3	Turbine Engines & Systems
AVMT 2206	3	Aircraft Fluid Power & Landing Gear Systems
AVMT 2207	3	Turbine Engine Maintenance & Inspection
AVMT 2208	3	Cabin Atmosphere Control Systems
AVMT 2209	3	Airframe Inspection & Flight Control Systems
AVMT 2210	3	Non-Metallic Structures
AVIO 1110	3	Aircraft Power Generation & Distribution Systems

AVIATION COMMON CORE (27 credits)

AVMA 3301	3	Aviation History
AVMA 3302	3	Aviation Law
AVMA 3303	3	Airline Operations
AVMA 3304	3	Airline Maintenance Management
AVMA 3305	3	General Aviation Operations
AVMA 3307	3	Human Factors in Aviation
AVMA 4402	3	Fiscal Aspects of Aviation Management
MGMT 2209	3	Principles of Management
MGMT 3390	3	Organizational Behavior

GENERAL STUDIES (47 credits)

MATH 1101	3	Applied Technical Math I
MATH 1102	3	Applied Technical Math II
INFO 1100	3	Computer Concepts & Applications
ENGL 1104	3	Written English I
ENGL 1109	3	Technical Report Writing
COMM 2200	3	Intro to Human Communications
2201		Intro to Group Discussion
2202		Intro to Comm in the World of Work
PSYC 1101	3	Introduction to Psychology
ECON 2200	3	Economics
PHYS 1101	4	Introduction to Physics I
PHYS 1102	4	Introduction to Physics II
	9	Cultural/Civilization Exploration
	6	Artistic/Creative Expression

Notes to Degree Plan:

1. The AVMT 2215 FAA Certification Review Class is offered in the summer as needed each year to prepare second-year AMT Majors for taking the FAA written, oral and practical A & P certification exams. This class, while highly recommended, is not an FAA certificate requirement.
2. All First Semester classes (AVMT 1101, 1102, & 1103) are pre-requisites for all subsequent classes.
3. All aviation AVMA courses are offered on a twelve to eighteen month rotation.
4. This degree plan is only a model. The catalog is the official record that should be reviewed and adhered to by the student for all course requirements.

COMMENTS: _____

