

**NON-EXPEDITED UNDERGRADUATE
COURSE AND CURRICULUM CHANGES
APPROVED BY THE
COLLEGE OF TECHNOLOGY AND AVIATION FACULTY**

by electronic vote on

September 14, 2009

**Primary Contact Person: R. Kurt Barnhart
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IMPACT STATEMENT: No other departments or colleges are affected by this proposal. Please provide the sponsors of a proposed change with any information regarding fiscal or programmatic impact on your department, program or students.

NON-EXPEDITED PROPOSAL

Name of department submitting proposal:

Aviation

Contact persons familiar with proposal:

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Assistant Professor, Aviation Department
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COURSE ADDITION:

ADD: **AVT 428. Avionics Installation.** (3) II. Provides practical knowledge of avionics suite installation, to include Garmin. Students gain experience in installing, wiring, continuity checks, operational checks, and troubleshooting. One hour lec. and six hours lab a week. Pr.: AVT 427.

RATIONALE: This course will provide students with the knowledge of avionics installation that is critical for certain avionics career paths.

IMPACT: No impact on any other department.

EFFECTIVE DATE: Spring 2010

CERTIFICATE PROGRAM MODIFICATION:

Avionics Maintenance Technology Certificate Program

CURRENT:

AVM 111. Basic Aircraft Electricity. (4)
AVM 151. Aviation Maintenance
Fundamentals. (3)
AVM 162. Airframe Electrical Systems. (4)
AVM 241. Navigational Aids and
Communication Systems. (3)
~~AVM 400 Composites. (4)~~
~~—OR~~
~~AVM 317 Composites for Avionics. (3)~~
~~AVM 315. Advanced Avionics. (3)~~
~~AVM 427. Avionics Repair. (3)~~
~~AVM 429. Avionics Maintenance. (3)~~
Total hours required: ~~26 or 27~~

PROPOSED:

AVM 111. Basic Aircraft Electricity. (4)
AVM 151. Aviation Maintenance
Fundamentals. (3)
AVM 162. Airframe Electrical Systems. (4)
AVM 241. Navigational Aids and
Communication Systems. (3)
AVT 317 Composites I. (3)
AVT 315. Advanced Avionics. (3)
AVT 427. Avionics Repair. (3)
AVT 428. Avionics Installation. (3)
AVT 429. Avionics Maintenance. (3)
Total hours required: 29

RATIONALE:

The purpose of this change is to add a much-needed course (AVT 428) to the Avionics Certificate. In addition; several AVM courses are being renamed to the AVT designator (iSIS "subject") to reflect the Avionics Technology emphasis. (The course renaming changes were approved in a previous expedited proposal).

IMPACT:

No impact on any other department.

EFFECTIVE DATE:

Spring 2010