September 30, 2011

From: Korhan Oyman, Associate Dean, College of Aeronautics

To: Gordon Nelson, Vice President for Academic Affairs

Subject: New College of Aeronautics Minor Program – Flight Technology

Request your review and approval for a new College of Aeronautics minor program in Flight Technology.

See attachment 1 for program overview.

See attachment 2 for a simplified business plan.

Request your approval and signature on the attachment 3, Adding a New Major or Minor to the Curriculum form.

Korhan Oyman
Associate Dean

Attachments
1. Flight Technology Minor
2. Business Plan for Flight Technology Minor
3. Add New Minor Flight Technology.pdf
Flight Technology Minor

Educational Objective

Provide most Florida Tech undergraduate students an introduction to the global flight environment including flight and ground courses necessary to achieve at least an FAA private pilot certificate.

Minor Curriculum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVF 1000</td>
<td>Private Pilot Certificate</td>
<td>2</td>
</tr>
<tr>
<td>AVT 1001</td>
<td>Aeronautics 1</td>
<td>3</td>
</tr>
<tr>
<td>AVS 1201</td>
<td>Aviation Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>AVS 1202</td>
<td>Introduction to Aviation Physiology</td>
<td>1</td>
</tr>
<tr>
<td>AVT 4301</td>
<td>Aviation Safety</td>
<td>3</td>
</tr>
<tr>
<td>CoA-approved electives (e.g., technology, engineering, science)</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Note: Interested students could also earn an instrument rating by selecting AVF 2001 and AVT 2001 as four credit hours of their elective courses.
Business Plan Elements – CoA Flight Technology Minor

Program Relevance
- Is this program consistent with the mission of Florida Tech
  - Yes.
- Is this program consistent with the mission of department/college
  - Yes.

Program Demand
- What is the market for this program?
  - The target market for this program is physically qualified Florida Tech undergraduate students.
  - This program provides students an option to enhance the breadth of their capabilities and their options for employment after graduation.
- How many new students are expected to enroll in the first year
  - Full-time students; 6-8, part-time students, 0.
  - Domestic students; 3-5, international students, 3-4
  - Outlook in five years from now 10% growth per year.
- What other universities offer this program
  - None
- Are there current trends or forecasts for interest in this program
  - Yes
- Will this program be offered to a “non-traditional” audience
  - No.
- What are employment opportunities after graduation
  - Significant employment opportunity in any aviation-related business.
- If this is an undergraduate program, what are the graduate program opportunities
  - None.
- Is internship part of the program
  - No

Competition
- Do other competitive universities offer this program
  - No
- Are the programs successful (student completing, employed, etc.)
  - N/A
- How is this proposed program different if different
  - N/A

Academic Requirements/Considerations
- What will the entrance requirements be (GPA, SAT, math/science, etc.)
  - Possession of a FAA Student Pilot Medical Certificate and TSA clearance for flight training.
- Is the proposed program a substantive change according to SACS
  - No
- Is the proposed program in line with departmental/college accreditation
  - Yes
- What impact will the program have on existing programs
- Does it replace an existing program
  - No
- Does it complement or compete with another program
  - Complements any FIT undergraduate degree.
  - Minor competition with existing CoA flight degrees.
- How will the new program be assessed (outcomes, accreditation, financial)
  - The CoA Flight Education Coordinator will evaluate the program.
- Is program accreditation required or proposed for the program
  - No

Financial Resources/Uses
- Can the program support itself financially (provide detailed estimates)
  - Yes, considering that there is no additional cost to implementing this program.
- Will there be any assistants, fellowships available in this program
  - No
- What new courses, if any, will be required
  - Departmental courses
    - None
  - Service courses
    - None
- What new faculty, if any, will be required
  - Departmental
    - None
  - Service
    - None
- Will new support staff be required
  - No
- Will new GSA’s or adjuncts be required
  - No
- What type of new equipment, labs, or other facilities are required
  - None at this time.
- What new library resources will be required
  - None
Florida Institute of Technology

ADDING A NEW MAJOR OR MINOR TO THE CURRICULUM

Please provide the following information when requesting a new major or minor (program or option) to be added to the curriculum. Only new majors, minors, and options are assigned a new code and print on the diploma. The code will be assigned by the Office of the Registrar and a copy of this form will be sent to the appropriate department.

COLLEGE: Aeronautics
DELIVERY MODE(S): Classroom (classroom, online)
DEPARTMENT: Aviation Studies
CAMPUS/SITE(S): Melbourne Campus

PROGRAM TO BE ADDED: ☐ Major ☒ Minor ☐ Option for ______________________ (existing degree program)
NOTE: Only Majors, Minors and Options receive new codes and print on the diploma; use Option for New program name to appear with existing degree name.

☐ Associate of Arts (A.A.) ☐ Master of Arts in Teaching (M.A.T.) ☐ Master of Science in Aviation (M.S.A.)
☐ Associate of Science (A.S.) ☐ Master of Business Administration (M.B.A.) ☐ Educational Specialist (Ed.S.)
☐ Bachelor of Arts (B.A.) ☐ Master of Education (M.Ed.) ☐ Doctor of Philosophy (Ph.D.)
☐ Bachelor of Science (B.S.) ☐ Master of Public Administration (M.P.A.) ☐ Doctor of Psychology (Psy.D.)
☐ Master of Arts (M.A.) ☐ Master of Science (M.S.) ☐ Graduate Certificate

OTHER ADDITION TO THE CURRICULUM (NOTE: Only Majors, Minors and Options receive new codes and print on the diploma; use Concentration or Specialization if the new program represents less than a full degree curriculum.)
☐ Concentration or ☐ Specialization for ____________________________ (existing degree program)

PROGRAM TITLE: Restricted to 30 characters, including spaces
Minor-Flight Technology

TERM TO BE INITIATED: ☒ Spring 2012 ☐ Fall 2012
ADVISER FOR NEW PROGRAM: Dr. Korhan Oyman
(Date program to be initiated must be no sooner than the next term for which registration has not begun)

ROUTING APPROvals: 1) Department head/program chair and college dean approve and sign form. 2) The vice president for academic affairs approves business plan of the program in terms of financial viability and impact on the university mission and signs form. 3) Undergraduate Curriculum Committee or Graduate Council approves academics and signs form. 4) The vice president for academic affairs gives final approval of program, signs form and forwards to Office of the Registrar.

Date: 9/27/11

3) Chair, Graduate Council Date: 9/27/11

Or

Date: 9/27/11

2) Vice President for Academic Affairs Date: 9/27/11

4) Chair, Undergraduate Curriculum Committee Date: 9/27/11

Vice President for Academic Affairs Date: 9/27/11

REGISTRAR’S USE ONLY

FSA ATLAS ____________________________ SOAIREF ____________________________ SMABREL ____________________________
STVMAJR ____________________________ SOACURL ____________________________ Major Code Assigned ____________________________

GWVSDAX ____________________________ CIPIC Code ____________________________ Operator Initials/Date ____________________________

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