

10/27/2022

Circulated

Comments Due

11/10/2022

Submit on blue paper

COURSE / CURRICULUM MODIFICATION REQUESTCOLLEGE **Technology**

2223-237

****COURSE CHANGE**

- ☐ Create new course
☐ Eliminate course
☐ Modify existing course (mark all that apply):
- ☐ Title ☐ Description ☐ Prerequisite
☐ Course content
☐ Course number (old course number to be deleted)
☐ Credit Hours ☐ Term offered
☐ Contact Hours
☐ Method of instruction (see table on reverse)
☐ Web-centric
☐ Web-based (definitions on reverse)

Requested Course change effective date: (Semester/Year)

Implemented by Registrar, effective:

**reviewed by Undergraduate Council if it has broad impact

PROGRAM CHANGE**Program Name:** **Bachelor of Science in Aviation Management**

- ☐ Minor change to program requirements/checksheet
☐ Change program name
☒ *Create new program and new program code (check one):
☒ degree ☒ major ☐ minor
☐ specialization ☐ certificate
☒ *Major change to program requirements/checksheet
☐ *Program to be available 100% online
☒ *Add, delete, modify program matriculation requirements
☐ *Suspend admission to and/or eliminate a program

Requested Program effective date: **Fall 2023** (Semester/Year)

Implemented by Registrar, effective:

*reviewed by Undergraduate Council

CATALOG DESCRIPTION for a new or modified course, OR BRIEF OVERVIEW of program change (limit 675 characters):

This proposal will change the Aviation Management and Operations course of study from a Specialization in the aviation program to a independent degree. The new degree will be a Bachelor of Science in Aviation Management. Two new courses will be added to the B.S. in Aviation Management, an AERT 4670 Airline Operations and AERT 4700 Airline Network Planning. These new courses are listed under the AV Management section of the new check sheet. This change will allow for growth and future development of BGSU's Aviation Management program. We also propose removing the matriculation requirements for the four courses listed in the Program Change Form.

(If this is a new course or if the "Method of instruction" box is checked above):

Maximum Class Size Grading method: ☐ A/F ☐ S/U only ☐ A/B/C/NC (No Credit) ☐ S/NC (No Credit)

Method(s) of Instruction* and contact hours

*See page two for Methods of Instruction definitions and approved combinations

What other colleges or departments/programs may be affected by this proposal?*

**Please attach comments from affected units and circulate them with the curriculum modification request.

	Position	Name (print or type)	Signature	Date
1	Proposer Tel: 419- 3720345 Position: Aviation Program Coord.	Carlton J. Braun	Carlton Braun <small>Carlton Braun (Apr 29, 2022 17:47 EDT)</small>	
ADEQUATE LIBRARY MATERIALS ARE AVAILABLE (For NEW COURSE or NEW PROGRAM only):				
2	Dean, University Libraries	Sara Bushong		
APPROVED:				
3	Chair or School/Program Director	Dr. M.D. Sarder	MD Sarder	
4	Chair, College/School Curriculum Committee	Dr. Andreas Luescher	Andreas Luescher <small>Andreas Luescher (May 23, 2022 15:45 EDT)</small>	
5	Dean of College	Dr. Jennie Gallimore	Jennie Gallimore	
6	Secretary, UGC (major changes only)	Sarah Meussling		
ACTIONS OF UNDERGRADUATE COUNCIL ARE REVIEWED BY THE FACULTY SENATE COMMITTEE ON ACADEMIC AFFAIRS (CAA).			Materials sent to CAA on:	
7	Provost/VPAA	Glenn Davis		
REVIEWED AND IMPLEMENTED BY:				
8	Registrar	Michelle Rable		

PROGRAM CHANGE REQUEST FORM

This sheet is an overview of the content and format of proposals for a new undergraduate program, or for elimination or modification of an existing program. Most program changes must be reviewed by Undergraduate Council and, in some cases, by the Board of Trustees and/or the Ohio Board of Regents. As a result, a proposal for program changes should generally be prepared in consultation with the Office of the Senior Vice President for Academic Affairs and Provost. Some of the information in the proposal must be summarized on the COURSE/CURRICULUM MODIFICATION REQUEST cover sheet ("blue sheet") that will accompany it through the approval process. *Depending on the nature of the request, it may not be necessary to provide all the information below. Please use your own responses to the checkbox items on the "blue sheet" as a guide for deciding which items below are relevant to your proposal.* Please use the outline headings shown below to prepare your document; omit any that do not apply.

A. THE MODIFICATION

1. *For all proposals:* Describe briefly the nature of the proposed change.

This proposal will change the Aviation Management and Operations course of study from a Specialization in the aviation program to a independent degree. The new degree will be a Bachelor of Science in Aviation Management. Two new courses will be added to the B.S. in Aviation Management, an AERT 4670 Airline Operations and AERT 4700 Airline Network Planning. These new courses are listed under the AV Management section of the new check sheet. This change will allow for growth and future development of BGSU's Aviation Management program. We propose removing MKT 3000 and CONS 2390 from the AV Management Courses and adding the existing SYE 4020 Logistics Transportation Systems. We also propose removing the matriculation requirements for the four courses listed in the Program Change Form. In addition, we propose combining Supplemental Focus and Electives into a category on the check sheet. There are also modifications to the notes on the check sheet reflecting these changes.

The curriculum modification process is intended to change program requirements as represented in the Undergraduate Catalog and on checksheets. For this reason, all curriculum modifications for new programs or program revisions must include:

- 1.1 A checksheet that shows and highlights the proposed change(s). (Please make the *changes* on the checksheet *obvious*, preferable with revision markings).
 - 1.2 Catalog pages (printed from the current version of the online catalog) showing the proposed changes. (Please use revision markings or some other device to make *changes obvious*). If a new program is being proposed, then new catalog copy should be submitted. Care should be taken to ensure that the proposed changes to the catalog match the proposed changes to the checksheet.
2. List courses to be taken out of program requirements. (If courses are to be eliminated from course inventory, submit a separate "course change" for that action).
MKT 3000 Marketing
CONS 2390 Construction Document Reading
 3. List courses to be added to program requirements. (If new courses are to be added to course inventory, submit a separate "course change" for that action).
SYE 4020 Logistics Transportation Systems
AERT 4670 Airline Operations
AERT 4700 Airline Network Planning

4. *For proposals to make major changes to program requirements:* Describe any change to the sequence of courses within a major/minor/area of specialization/certificate.

The sequence of courses will remain relatively unchanged. We are removing MKT 3000 from the AV Management courses and adding SYE 4020 Logistics Transportation Systems. The airport and airline series of courses will be the foundation for the AV management courses on the check sheet with AERT 4700 as the Capstone. Four courses on the checksheet had a matriculation requirements, AERT 2150, BA 2030, ESHP 1010, and Math 1220. We propose removing these matriculation requirements to assist students in moving thru the degree program. We will continue to utilize course prerequisites for proper course progression.

5. Will this change result in modification of student learning outcomes? ☐ yes ☒ no
If yes, list all changes to the student learning outcomes related to the curriculum modification and describe the plan for assessing those outcomes.

N/A

6. Program changes approved before the January deadline for the Catalog update will be recorded in the Catalog and will be in effect for checksheets in the fall of that year.

B. RATIONALE *[Required for all proposals]:*

1. Reason/Need for the change. For new programs, explain how this fits with the Academic Plan.

Since there is a significant difference in the previous specializations (+30 credit hours), we can split these programs into two different degrees. This change will allow for future growth and development of our Aviation Management degree program to keep up with enrollment and industry changes. In addition, this change also equips our Aviation Management students to take the American Association of Airport Executives (AAAE) Certified Member exam.

2. Student implications (describe the basis for each estimate)

- 2.1 Prospective demand for a new degree/major/minor (level of student interest).

With the degree name change, students will be more interested that their earned degree better identifies their focus of study and provides them a relevant base of knowledge in airport as well as airline operations.

- 2.2 Effect on required hours in degree/major/minor.

None

- 2.3 Number of students affected and in what way.

No current students

- 2.4 Effect on elective hours of majors/minors.

No change

- 2.5 If a degree/major/minor is to be eliminated, how will current students in the program be accommodated?

N/A

- 2.6 If requirements for matriculation from a pre-major program are to be added or modified, how will those changes affect student enrollment and progress toward graduation?

The removal of matriculation requirements will allow for a smoother student flow in the degree program. We will utilize individual course prerequisites for proper course progression.

- 2.7 Is this a degree program whose normal time to degree is something other than four calendar years for a baccalaureate degree and two calendar years for an associate degree? If so, how many hours/years to obtain the degree?

There will be no change in the hours, requirements, or time needed to complete the degree.

C. IMPLICATIONS FOR EXISTING PROGRAMS *[For all proposals]:*

1. How will the proposed change affect the integrity of other programs to which it is related, including the demand for courses or degrees in other programs
 - 1.1 in the department/school?
There will be no change nor will it affect the integrity of other related programs.
 - 1.2 in the college?
With the addition of SYE 4020, there will be a slight increase in the number of students enrolled in SYE 4020.
 - 1.3 in other university departments/colleges?
No changes
 - 1.4 at other universities?
No changes
2. What individuals in other departments/schools/colleges, if any, have been consulted about this proposal? *[attach correspondence where appropriate]*
This change only affects the old Aviation Management and Operations Specialization and was discussed with Aviation faculty at the program meeting and the Department of Engineering Technology meeting.
3. What effect will the proposed change have on accreditation of this program or of associated programs in the college/university?
Aviation Accreditation Board International (AABI) supports the move of this program to a School of Aviation. Since this degree proposal formalizes the existing specialization into a degree, with the addition of the two new AERT airline courses, AABI supports the change. This change is also supported by the BGSU Aviation Industry Advisory Board.
4. What effect will the proposed change have on the ability of the department/school/college/university to meet goals for recruitment, retention, and diversity?
No adverse changes expected. With the new degree, we will be focused for better recruitment of potential students to the Aviation Management field. This change also allows for student enrollment growth and expansion and diversification of the Aviation Management degree.

D. STAFFING IMPLICATIONS/QUALIFICATIONS

1. *For new programs, or if an existing degree/major/minor/area of specialization is to be modified:*
Are faculty and staff with expertise available now? ☒ yes ☐ no
If not, how will they be identified/recruited?
2. *For all proposals:* How will this change affect the allocation of faculty and staff in the department/school/college? **Dr. Michael Ferguson is preparing the two new AERT airline courses and has the industry expertise to teach them. With the growth in the aviation program, we will be hiring an additional faculty so we can run courses multiple times a year.**
3. *For all proposals:* How will this change affect faculty work load? **There should be no change to existing faculty work load.**

E. AVAILABILITY OF RESOURCES

1. *For all proposals:* Indicate any unique space requirements for new or modified curricula, and space likely to be released by the elimination or modification of existing curricula, and space likely to be released by the elimination or modification of existing curricula.
No changes to existing space requirements.
2. *For all proposals:* Indicate any new one-time or continuing costs for materials, equipment, services, or personnel directly associated with a new or modified curriculum. How will these costs be covered? Indicate any cost savings to be generated if an existing degree/major/minor/area of specialization is to be eliminated.
No additional costs are expected.
3. *For all programs, or if an existing degree/major/minor/area of specialization to be modified:* Indicate any unique library, computer, or instructional media resources that will be needed for new or modified curricula. Are they already available?
No additional instructional or library media required.

F. TIMETABLE FOR IMPLEMENTATION *[For all proposals]*

1. Provide a detailed timetable for events that will occur as the proposed program change is accomplished (e.g. addition or elimination of courses, hiring of faculty).
FALL 2023

G. OTHER INFORMATION

1. Provide other information that may be helpful in the review process, as appropriate.
Since this is a new Bachelor of Science Degree proposal, there is no old check sheet. The existing Bachelor of Science in Aviation with a Specialization in Aviation Management and Operations check sheet is included for reference.

Fall 2023 | Bachelor of Science in Aviation Management (New Degree header)

BG PERSPECTIVE (BGP) Requirements:

Course _____ Credits _____
 Must complete at least 1 course in each of the following:
 English Composition and Oral Communication

_____ _____
 Quantitative Literacy
 _____ _____

Must complete at least 2 courses in each of the following:

Humanities and the Arts
 _____ _____
 _____ _____

Natural Sciences with Lab Component
 _____ _____
 _____ _____

Social and Behavioral Sciences
 _____ _____
 _____ _____

Complete total required BGP credit hours by selecting courses from any of the above categories:

_____ _____
 _____ _____
 _____ _____
 _____ _____

UNIVERSITY REQUIREMENTS

Note: Designated courses in the Humanities and the Arts, and the Social and Behavioral Sciences domains may be used to fulfill both a BGP requirement and one of the following university requirements:

Cultural Diversity in the U.S. _____

International Perspective _____

Composition Requirement: _____

_____ WRIT 1120* Academic Writing _____

Total BGP Credits: _____ Must be at least 36

** These courses may be used to meet BG Perspective requirements, but hours are counted only once.

BGP Credit cannot be earned for both GEOG 1250 and GEOG 1260. Added note

See the Undergraduate Catalog, www.bgsu.edu/catalog

Important information on the back

Courses Required for Major

Cooperative Education **2 Hrs**
 _____ TECH 2890 Co-op 1
 _____ TECH 3890 Co-op 1

Program Core Courses **21 Hrs**

_____ AERT 2000 Introduction to Aviation 3
 _____ AERT 2050 Aviation Maintenance Mgmt 3
 _____ AERT 3000 Air Transportation 3
 _____ AERT 3490 Aviation Law 3
 _____ AERT 3520 Crew Resource Management 3
 _____ AERT 3540 Aviation Management 3
 _____ AERT 4600 Safety Management Systems 3

AV Management **Courses** change from specialization **42 Hrs**

_____ ACCT 2000 or 2210 Accounting Concepts 3
 _____ AERT 2150 Aviation Ground Operations 3 Remove Bold
 _____ MGMT 3000 Int Ops and Supply Chain Mgmt 3 Prev change
 _____ MGMT 3050 Prin of Organization & Mgmt 3
 _____ ~~MKT 3000 Marketing (Prereq ECON 2000)~~ 3 Rem course
 _____ QS 3550 Foundation of QS ## 3
 _____ MGMT 3610 Human Resources Management 3
 _____ SYE 4020 Logistics Transportation Systems 3 Add Course
 _____ AERT 3480 Airport Operations 3
 _____ AERT 3820 Airport Operational Plans 3
 _____ AERT 4350 Airport Administration 3
 _____ AERT 4560 Airport Planning and Design 3
 _____ AERT 4670 Airline Operations 3 New course
 _____ AERT 4680 Business Aviation 3
 _____ AERT 4700 Airline Network Planning 3 New course

Other Required Courses **32 Hrs**

_____ BA 2030 Business Comm or 3 Remove bold
 _____ ESHP 1010 Intro to Entrepreneurship Remove bold
 _____ MATH 1220** College Algebra 4 Remove bold
 _____ COMM 1020** Speech Comm 3
 _____ COMM 2010, 2030, 2070 or 2100*** 3
 _____ CONS 2350 Intro to Construction 3
 _____ ECON 2000** or 2020** Economics 3
 _____ GEOG 1250** Weather and Climate or
 _____ GEOG 1260** Weather Studies Laboratory 3
 _____ IS 2000 Mgmt Info Sys or CS 1000 3
 _____ SOC 1010** Principles of Sociology 3
 _____ PSYC 1010** General Psychology 4

Supplemental Focus/Elective Comb SF and Elective, hours **9 Hrs**

_____ _____
 _____ _____
 _____ _____
 _____ _____

Total Minimum Program Hours **122 Hrs**

For Supplemental Focus/Elective, consider courses from AERT, AERO, ACCT, BA, FIN, GEOG, COMM, **CONS**, LEGS, MKT, MGMT, MSL, PSYC, **SYS**, TECH, and THEM. (Added CONS, SYS)

Fall 2023 | Bachelor of Science in Aviation Management (New Degree header)

Matriculation courses are in **BOLD Print**. (remove)

See the Undergraduate Catalog for eligible courses at www.bgsu.edu/catalog.html

QS courses are offered on-line only. Removed ##

** These courses may be also used to meet the BG Perspective courses requirement, but hours are only used once.

*** Communications courses – Choice of COMM 2010 Comm Theory, COMM 2030 Small Group Comm, COMM 2070 Interpersonal Comm, or COMM 2100 Intl Comm.

NOTES:

- All Aviation courses must be completed with a C or higher.
- Supplemental focus courses and technology electives are in addition to those specifically listed on the sheet.
- When students use courses to fulfill more than one requirement the total minimum program hours of 122 may not be met.
- Students must take 40 hours at the 3000-4000 level.

College of Technology, Architecture and Applied Engineering

General Information for all students in the College

In addition to completing all requirements on the checksheet, students are responsible for:

Matriculation (remove)

Full admittance to a major in a College of Technology, Architecture and Applied Engineering program will become effective when a student has:

1. Attained an overall BGSU grade point average of at least 2.25 for all courses taken prior to applying for matriculation and a 2.5 in courses in the major.
2. Completed a cooperative education experience—TECH 2890 (Aviation Studies, Architecture, LDT and QS majors are exempt from this requirement).
3. Completed with a grade of “C” or better in all bold courses, as specified on program checksheets;
4. Applied for matriculation. Applications are available from the Undergraduate Student Services Office.

The steps listed above must be completed before students will be permitted to register for 3000 and 4000 level courses in the College of Technology, Architecture and Applied Engineering.

Co-op

All students in the College are required to complete 1 or 2 co-ops, depending on your major. THIS IS A COURSE. It carries credit and is graded. It is full time (40 hrs/week) for the entire semester or part-time (20 hrs/week) for two consecutive semesters, paid and must be directly related to your major. All students MUST complete the Co-op

Orientation available in Canvas.

Email

Official University email accounts are required for all BGSU students. Official BGSU email addresses are in the form: BGSUUsername@bgsu.edu. At the time of admission or initial registration, all students will receive a bgsu.edu email account. Students may anticipate that official University correspondence will be sent to this email account and they should access BGSU email on a regular and timely basis. All correspondence from Undergraduate Student Services will be sent to your BGSU email.

Checksheet

The checksheet should be used in conjunction with the degree audit and advising to track progress toward degree completion.

BG PERSPECTIVE (BGP) REQUIREMENTS:

Course _____ Credits _____

Must complete at least 1 course in each of the following:English Composition and Oral Communication

_____Quantitative Literacy

_____**Must complete at least 2 courses in each of the following:**Humanities and the Arts

_____Natural Sciences - at least one Lab Science required

_____Social and Behavioral Sciences

_____**Complete total required BGP credit hours by selecting
courses from any of the above categories:**

_____**UNIVERSITY REQUIREMENTS**

Note: Designated courses in the Humanities and the Arts, and the Social and Behavioral Sciences domains may be used to fulfill both a BGP requirement and one of the following university requirements:

Cultural Diversity in the U.S. _____

International Perspective _____

Composition Requirement:

____ WRIT 1120 Research Writing _____

*Total BGP Credits: Must be at least 36***Courses Required for Major****Cooperative Education**

____ TECH 2890 4

____ TECH 3890 4

____ TECH 4890 (optional)*** 4

Professional Core

21 Hrs

____ AERT 2000 Introduction to Aviation 3

____ AERT 2050 Aviation Maintenance Mgmt 3

____ AERT 3000 Air Transportation 3

____ AERT 3490 Aviation Law 3

____ AERT 3520 Aviation Safety 3

____ AERT 3540 Aviation Management 3

____ AERT 4600 Safety Mgmt Systems 3

AV Management & Operations Specialization**42 Hrs**

____ ACCT 2000 or 2210 Accounting Concepts 3

____ **AERT 2150 Aviation Ground Operations** **3**

____ CONS 2350 Intro to Construction 3

____ CONS 2390 Construction Document Reading 3

____ ECON 2000** or 2020** Economics 3

____ MGMT 3050 Prin of Organization & Management 3

____ MGMT 3610 Human Resources Management 3

____ MKT 3000 Marketing (Prereq ECON 2000) 3

____ QS 3550 Foundation of QS## 3

____ AERT 3480 Airport Operations 3

____ AERT 3820 Airport Operational Plans 3

____ AERT 4350 Airport Administration 3

____ AERT 4560 Airport Planning and Design 3

____ AERT 4680 Business Aviation 3

Other Required Courses**22 Hrs**____ **BA 2030 Business Comm or** **3**____ **ESHP 2040 Intro to Entrepreneurship**____ **MATH 1220**** **3**

____ COMM 1020** Speech Comm 3

____ COMM 2010, 2030, 2070 or 2100**** 3

____ IS 2000 Mgmt Info Sys or CS 1000 3

____ SOC 1010** Principles of Sociology 3

____ PSYC 1010** General Psychology 4

Upon Advisement - Supplemental Focus**6 Hrs**

____ AERT 2240, 4900 1-6

____ AERO 3120, 4110, 4120 3-6

____ ACCT 2000-3990 or ACT 2000-3990 3-6

____ BA 3000-3990 1-6

____ FIN 2000-3990 3-6

____ GEOG 1250** _____, 3030 _____ 3-6

____ COMM 2000-4990 3-6

____ LEGS 3000-4990 3-6

____ MKT 3000-4990 3-6

____ MGMT 3000-4990 3-6

____ MSL 3020, 4010, 4020 3

____ PSYC 3110, _____, 3500, _____ 3-6

____ THEM 2000-4990 3-6

Technical Electives (by advisement)**6 Hrs**

____ ELECTIVE @ 3

____ ELECTIVE @ 3

Total Minimum Program Hours**122 Hrs**

Important information on the back.

For TECH Electives, choose at least two courses 3000 level and above:

@ AERT 2240, 4900; ARCH 2360, 2710, 3360, 3370; CONS 3000-4990; ECT 1910-4990; ENGT 2000-4990;
QS 3000-4990; TECH 3020, 4000, 4300, 4310, 4330; TECH 4800, 4890; TE 2520

Matriculation courses are in **BOLD** Print.

#See the Undergraduate Catalog for eligible courses at www.bgsu.edu/catalog.html

QS courses are offered on-line only.

** These courses may be also used to meet the BG Perspective courses requirement, but hours are only used once.

*** A third co-op, TECH 4890, can be taken to fulfill a Technical Elective requirement.

**** Communication courses - Choice of COMM 2010 Communication Theory, COMM 2030 Small Group Communication, COMM 2070 Interpersonal Communication, or COMM 2100 International Communication

NOTES:

- All Aviation courses must be completed with a C or higher.
- Supplemental focus courses and technology electives are in addition to those specifically listed on the sheet.
- When students use courses to fulfill more than one requirement the total minimum program hours of 122 may not be met.

College of Technology, Architecture and Applied Engineering

General Information for all students in the College

In addition to completing all requirements on the checksheet, students are responsible for:

Matriculation

Full admittance to a major in a College of Technology, Architecture and Applied Engineering program will become effective when a student has:

1. Attained an overall BGSU grade point average of at least 2.25 for all courses taken prior to applying for matriculation and a 2.5 in courses in the major;
2. Completed a cooperative education experience—TECH 2890 (Aviation Studies, Architecture, LDT and QS majors are exempt from this requirement);
3. Completed with a grade of “C” or better in all bold courses, as specified on program checksheets;
4. Applied for matriculation. Applications are available from the Undergraduate Student Services Office.

The steps listed above must be completed before students will be permitted to register for 3000- and 4000-level courses in the College of Technology, Architecture and Applied Engineering.

Co-op

All students in the College are required to complete 2 or 3 co-ops, depending on your major. **THIS IS A COURSE.** It carries credit and is graded. It is full time (40 hrs/week) for the entire semester or part-time (20 hrs/week) for two consecutive semesters, paid and must be directly related to your major. All students **MUST** complete the Co-op Orientation available in Canvas.

Email

Official University email accounts are required for all BGSU students. Official BGSU email addresses are in the form: BGSUusername@bgsu.edu. At the time of admission or initial registration, all students will receive a bgsu.edu email account. Students may anticipate that official University correspondence will be sent to this email account and they should access BGSU email on a regular and timely basis. All correspondence from Undergraduate Student Services will be sent to your BGSU email.

Checksheet

The checksheet should be used in conjunction with the degree audit and advising to track progress toward degree completion.

Subject: CONS 2390
Date: Thursday, April 21, 2022 at 3:23:39 PM Eastern Daylight Time
From: Carlton James Braun
To: Arsenio Timotio Rodrigues, Alan Atalah
Attachments: image001.png

Arsenio and Alan,

After discussion with our Aviation Faculty, we have decided to remove CONS 2390 Construction Document Reading from our new B.S. in Aviation Management check sheet. The reorganization of our check sheet will enable us to add two new airline management specific courses to the degree program. We did add CONS to our list of elective courses.

Regards,

Carl

BGSU.
Carlton Braun
Aviation Program Coordinator
Bowling Green State University
141 College Park
Bowling Green, OH 43403
Office: 419-372-0345
braunc@bgsu.edu

AVIATION ADVISORY BOARD

December 14, 2021

On the behalf of the BGSU Aviation Advisory Board, we fully support the establishment of the School of Aviation under the College of Technology, Architecture, and Applied Engineering. We as a board believe that this expansion of the program will be in the best interest of the students, faculty, and Flight Center staff.

By embracing the adjustment under the College of Technology, Architecture, and Applied Engineering, we know that the college will be better equipped for the following reasons:

- Ability for advancement in curriculum development with certified Subject Matter Experts
- Improvement in the quality of education for the students
- Ability to pivot with industry advances and current events
- Putting the College in the proactive stance to be set up for success with the explosive growth the industry is projected to expect in the near future

Without a doubt, the BGSU Aviation Advisory Board believes that this change will be pivotal in the advancement of the College of Technology, Architecture, and Applied Engineering and Bowling Green State University.

The BGSU Advisory Board will continue to advise, support and partner with the leaders in the school to ensure success of the program through this change. Without a doubt, we believe this change will be pivotal in the advancement of the College of Technology, Architecture, and Applied Engineering and Bowling Green State University.

Below are the signatures of the BGSU Aviation Advisory Board Executives to signify the support for the School of Aviation on behalf of the group.

Mason Tunney

(President)

Kaily Crous

(Vice-President)

Kevin Toth

(Secretary)

From: Guy Smith <guy@aabi.aero>

Sent: Wednesday, March 16, 2022 4:46 PM

To: Michael David Ferguson <fergmic@bgsu.edu>

Cc: darrin.greubel@expressjet.com; Ceci Shirley <ceci@aabi.aero>; Vic Montanez <Victoria@aabi.aero>

Subject: [EXTERNAL] AABI Support for the School of Aviation at BGSU

Dear Dr. Ferguson,

On behalf of the Aviation Accreditation Board International (AABI) Board of Trustees, I support the creation of a School of Aviation in the BGSU College of Technology, Architecture in Applied Engineering. We understand that a BGSU school must have more than one degree program. When AABI accredited the BGSU aviation programs in February, 2021; the aviation program was accredited as two separate programs under the AABI criteria. See <http://www.aabi.aero/accreditation/accredited-programs/>

- *B.S. Aviation – Aviation Management & Operations* (Accredited under AABI Program Criteria 5.1 – Program Criteria for Aviation Management)
- *B.S. Aviation – Flight Technology & Operations* (Accredited under AABI Program Criteria 5.5 – Program Criteria for Flight Education)

If BGSU decided to separate the BS in Aviation into two separate degree programs in the School of Aviation, it would not substantially affect the AABI accreditation of your programs.

With support, Guy

Dr. Guy M. Smith

President, Aviation Accreditation Board International (AABI)

115 S. 8th Street, Suite 102

Opelika, AL 36801

guy@aabi.aero

334-748-9359 (Opelika)

386-236-8494 (Ormond Beach)

<http://www.aabi.aero/>

Lead us to a place;

Guide us with your grace;

To a place where we'll be safe.

"A Prayer" from the 1998 film "Quest for Camelot" – Celine Dion and Andrea Bocelli.

Subject: MKT 3000
Date: Monday, March 28, 2022 at 2:56:24 PM Eastern Daylight Time
From: Carlton James Braun
To: Mohammadali Zolfagharian
Attachments: image001.png

Dr. Zolfagharian,

This is notice that we are removing MKT 3000 from the check sheet for the new Bachelor of Science in Aviation Management. The aviation faculty decided on this move to accommodate an addition of SYE 4020 Transportation Logistics Systems. Moving to a new independent degree for our aviation students will allow for future expansion and growth of the Aviation Management program here at BGSU. With more students, we will be able to hopefully branch out various concentrations in the future that will allow for a return of MKT 3000 into our program.

Thank you for your consideration,

Carl



Carlton Braun
Aviation Program Coordinator
Bowling Green State University
141 College Park
Bowling Green, OH 43403
Office: 419-372-0345
braunc@bgsu.edu

Subject: SYE 4020
Date: Monday, March 28, 2022 at 2:44:35 PM Eastern Daylight Time
From: Carlton James Braun
To: MD Baniamin Sarder
Attachments: image001.png

MD,

This is official notice that the Aviation faculty has decided on adding your SYE 4020 Logistics Transportation Systems to our new B.S in Aviation management degree program and check sheet. This course will provide our students with an understanding of transportation logistics. As you and I have previously discussed this change, I expect there will be no issues with accommodating the additional aviation students in this course.

Thank you for your consideration in this matter,

Carl



Carlton Braun
Aviation Program Coordinator
Bowling Green State University
141 College Park
Bowling Green, OH 43403
Office: 419-372-0345
braunc@bgsu.edu

AMO Program Assessment Plan

AABI General Learning Outcomes

AABI General Learning Outcomes (Criteria 3.3.1) for AMO:	2022	2023	2024	2025	2026	2027
(a) Ability to apply mathematics, science, and applied sciences to aviation-related disciplines.			AERT 4560			AERT 4560
(b) Ability to analyze and interpret data.		AERT 4560		AERT 4670	AERT 4560	
(c) Ability to work effectively on multi-disciplinary & diverse teams.			AERT 4680			AERT 4680
(d) Ability to make professional and ethical decision-making.			AERT 4600		AERT 4600	
(e) Ability to communicate effectively, using both written and oral comm. skills.			AERT 4600			AERT 4600
(f) Ability to engage in and recognize the need for life-long learning.	TECH 2890			TECH 2890		
(g) Ability to assess contemporary issues.	AERT 4600			AERT 4600		
(h) Ability to use techniques, skills, and modern technology necessary for professional practice.			AERT 4560			AERT 4560
(i) Ability to assess the national and international aviation environment.	AERT 3000			AERT 3000/4700		
(j) Ability to apply to apply pertinent knowledge in identifying and solving problems.		AERT 3520			AERT 3520	
(k) Ability to apply knowledge of business sustainability to aviation issues.			AERT 4680			AERT 4680

X = Outcome Introduced and/or Practiced E = Evaluation (Year)	AERT 2000 Introduction to Aviation	AERT 2050 Aviation Maintenance Mgt	AERT 2150 Aviation Ground Operations	AERT 2240 ATC and NAS	AERT 3000 Air Transportation	AERT 3480 Airport Operations	AERT 3490 Aviation Law	AERT 3520 Crew Resource Management	AERT 3540 Aviation Management	AERT 3820 Airport Operational Plans	AERT 4350 Airport Administration	AERT 4560 Airport Planning and Design	AERT 4600 Safety Management Systems	AERT 4670 Airline Operations	AERT 4680 Business Aviation	AERT 4700 Airline Network Planning	TECH 2980 & TECH 3890 Co-op
	AMQ - AABI General																
GEN1 (a): Ability to apply math., science, and applied sciences to aviation-related disciplines.				X								X					
GEN2 (b): Ability to analyze and interpret data.				X	X	X					X	X	X	X		X	
GEN3 (c): Ability to work effectively on multi-disciplinary & diverse teams.			X		X				X						X		
GEN4 (d): Ability to make professional and ethical decision-making.													X				
GEN5 (e): Ability to communicate effectively, using both written and oral comm. skills.	X	X	X	X	X		X	X	X			X	X	X	X	X	
GEN6 (f): Ability to engage in and recognize the need for life-long learning.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GEN7 (g): Ability to assess contemporary issues.	X	X	X	X	X		X	X	X	X	X	X	X		X		X
GEN8 (h): Ability to use techniques, skills, and modern technology necessary for professional practice.				X								X					
GEN9 (i): Ability to assess the national and international aviation environment	X	X		X	X		X	X						X		X	
GEN10 (j): Ability to apply pertinent knowledge in identifying and solving problems.			X	X	X					X		X	X				
GEN11 (k): Ability to apply knowledge of business sustainability to aviation issues.					X				X		X				X		

AABI Core Outcomes

AABI CORE Learning Outcomes (Criteria 3.3.2) for <u>AMO</u> degree:	2022	2023	2024	2025	2026	2027
(1) (Professionalism) Ability to describe the professional attributes, requirements or certifications, and planning applicable to aviation careers.	TECH 2890			TECH 2890 AERT 4700		
(2) (Aircraft Design) Ability to describe the principles of aircraft design, performance and operating characteristics; and the regulations related to the maintenance of aircraft and associated systems.		AERT 2050			AERT 2050	
(3) (Safety / Human Factors) Ability to evaluate aviation safety and the impact of human factors on safety.		AERT 3520			AERT 3520	
(4) (National / Int'l Law) Ability to discuss the impact on aviation operations of int'l aviation law, including applicable ICAO or other int'l standards and practices; and applicable national aviation law, regulations and labor issues.		AERT 3000			AERT 3000	
(5) (Airports / Airspace) Ability to explain the integration of airports, airspace, and air traffic control in managing the National Airspace System.			AERT 3480			AERT 3480
(6) (Weather / Environment) Ability to discuss the impact of meteorology and environmental issues on aviation operations.			AERT 3480			AERT 3480

- a) May be move the learning outcome (4) assessment from year 2020 to 2019? This will equally stagger the assessments of the learning outcomes in the three-year cycle

Program Education Goal – AMO Mapping

AMO Program Education Goals (PEG)	AABI General & Core Outcomes
PEG 1: Create competent, skillful aviation professionals and leaders who can solve managerial and operational problems within the aviation industry	AABI General – A, B, E, F, H AABI Core – 1, 5
PEG 2: Develop a solid foundation of aviation management, operational risk management, organizational behavior, and safety professionalism in the aviation industry.	AABI General – C, D, K AABI Core – 1
PEG 3: Impart professional, business, and ethical responsibility in the global aviation environment.	AABI General – D, G, I, J AABI Core – 3, 4, 6