SR-23-24-16 CC

Recommends approval of the listed **UNDERGRADUATE MAJOR CHANGE** in the following college and/or schools/programs:

Bill Noe Flight School

AVSC 250 – Commercial Phase II AMEL Lab

- **Summary of Change:** To replace AVSC 250 with AVSC 375.
- **Rationale:** The rationale to replace AVSC 250 with AVSC 375 is that they are both courses in multi-engine operations, but AVSC 375 is the appropriate course for the Professional Pilot major. Students are taking other courses that duplicate the content in AVSC 250, but not in AVSC 375.
- **Curriculum:** Undergrad Major Change - Professional Pilot_signed.pdf

FACULTY SENATE CHAIR:

APPROVED BY THE

FACULTY SENATE: _____ DATE:_____

DISAPPROVED BY THE

FACULTY SENATE: _____ DATE:_____

UNIVERSITY PRESIDENT:

APPROVED: _____ DATE:_____

DISAPPROVED: _____ DATE:_____

COMMENTS:

_____
_____
_____
_____

Request for Undergraduate Addition, Deletion, or Change of a Major

1. Prepare one paper copy and obtain signatures from the Department Chair/Head, Registrar, and College Dean. 2. Submit the form to your College Curriculum Committee. 3. After attaining the signature of the College Curriculum Chair, send the paper copy to the current University Curriculum Committee (UCC) Chair. 4. Send an identical (sans signatures) ELECTRONIC COPY and all supporting documentation in PDF format by email to the current UCC Chair.

College: **Aviation**   Department/Division: **Bill Noe Flight School**

Contact Person: **Nancy Ritter**   Phone: **696-2414**

ACTION REQUESTED:

Check action requested: _____ Addition   _____ Deletion   **X** Change

Name of Major (provide code if this is an existing major): **FL20 BS Professional Pilot**

Within which Degree Program is/ will this Major be listed (please provide code as well): BS, Commer Pilot - Fixed W Deg FL10P

RATIONALE:

Replace AVSC 250 with AVSC 375.   These are both courses in multi-engine operations, but AVSC 375 is the appropriate course for the Professional Pilot major because students are taking other courses that duplicate the content in AVSC 250 not in AVSC 375.

CURRICULUM: (If addition or change, number of hours and courses; indicate if required or optional) May be submitted as separate document.

Replace AVSC 250 (3 hours) with AVSC 375 (1 hour) and 2 hours of free electives in the same semester (Year 3 Semester 1).

NOTIFICATION REQUIREMENTS:

Attach a copy of written notification regarding this curriculum request to the following:

1. **Statement of Non-Duplication:** If this major will be similar in title or content to an existing major at the university, please send a memo to the affected department and include it with this packet, as well as, the response received from the affected department.
2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimation of money and time required to secure these items.
3. Send a copy of this completed form to the Marshall University Catalog Editor.

SIGNATURES: (If disapproved at any level, do not sign. Return to previous signer.)

Department Chair/Division Head:	*Nancy Ritter*	Date: **11/15/2023**
Registrar:	*Sonya ACQ*	Date: **11/15/2023**
College Dean:		Date:
College Curriculum Chair:		Date:
University Curriculum Committee Chair:	*Jonathan Kozar*	Date: *11/17/23*
Faculty Senate Chair:		Date:
VP Academic Affairs/VP Health Science		Date:

University Curriculum Committee – Major Addition/Change/Deletion Form   Revised 10/2018

Current Plan

Course Requirements

🐃 - General Education Course

🎓 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at https://www.marshall.edu/gened/.

Code	Title	Credit Hours
Core Curriculum		
Core I: Critical Thinking		
FYS 100	First Yr Sem Critical Thinking	3
GEO 230 🐃	Intro to Meteorology (CT)	4
PSY 201 🐃	Introductory Psychology (CT)	3
Core II		
CMM 213 🐃	Fund Interpersonal Com	3
Core II Fine Arts		
Core II Humanities (Writing Intensive section recommended)		
Core II Multicultural/International (Writing Intensive section recommended)		
ENG 101 🐃	Beginning Composition	3
ENG 201 🐃	Advanced Composition	3
GEO 230 🐃	Intro to Meteorology (CT)	4
MTH 121 🐃	Concepts and Applications (CT)	3
PSY 201 🐃	Introductory Psychology (CT)	3
Major-Specific Requirements		
General Education		
CMM 213 🐃	Fund Interpersonal Com	3
GEO 230 🐃	Intro to Meteorology (CT)	4
Required Aviation Core Courses		
AVSC 102	Flight School Orientation	3
AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 310	Aerodynamics & Performance	3

Current requirements – BS Professional Pilot FL20. November 15, 2023

Code	Title	Credit Hours
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
AVSC 355	Aviation Weather	3
AVSC 450	Crew Resource Management	3

Required Aviation Flight Courses

AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
AVSC 250	Commercial Phase II AMEL Lab	3
AVSC 305	CFII Lab	1
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
AVSC 345	Initial CFI ASEL Lab	3

Elective Flight Courses

AVSC 255	Initial CFI AMEL Lab	3
AVSC 260	ASEL Private Add-On Lab	1
AVSC 265	AMEL Private Add-On Lab	1
AVSC 270	Commercial ASEL Add-On Lab	1
AVSC 290	CFI ASEL Add On Lab	1
AVSC 295	CFI AMEL Add-On Lab	1

Elective Aviation Courses

Any four of the following courses:

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	

Course List

Semester Plan

The following semester plan presents a sequence of courses that allows students to complete the degree in eight semesters. Individual student plans will depend upon the courses they have completed, the availability of courses, and other factors.

- A minimum of 120 credit hours are required for the baccalaureate degree.
- Six hours of Writing Intensive (WI) credits are required for the degree. Students are encouraged to select WI sections of courses when available within the plan of study.

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First Year		
FIRST SEMESTER		**CREDIT HOURS**
AVSC 102	Flight School Orientation	3
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
CMM 213	Fund Interpersonal Com	3
FYS 100	First Yr Sem Critical Thinking	3
UNI 100	Freshman First Class	1
	Credit Hours	**15**
SECOND SEMESTER		
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
ENG 101	Beginning Composition	3
GEO 230	Intro to Meteorology (CT)	4
	Credit Hours	**15**
Second Year		
FIRST SEMESTER		
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
MTH 121	Concepts and Applications (CT)	3
PSY 201	Introductory Psychology (CT)	3
ENG 201	Advanced Composition	3

	Credit Hours	**15**
SECOND SEMESTER		
AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
Core II Fine Arts		3
	Credit Hours	**15**

Third Year

FIRST SEMESTER		
AVSC 250	Commercial Phase II AMEL Lab	3
AVSC Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Core II Humanities		3
Core II Multicultural/International		3
Free Elective		3
	Credit Hours	**15**
SECOND SEMESTER		
AVSC Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 345	Initial CFI ASEL Lab	3
AVSC 355	Aviation Weather	3
Free Elective		3
Free Elective		3
	Credit Hours	**15**

Fourth Year

FIRST SEMESTER		
AVSC Elective		3
Select one of the following:		
AVSC 221	Systems Management	

AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 305	CFII Lab	4
AVSC 310	Aerodynamics & Performance	3
Free Elective		3
Free Elective		3
	Credit Hours	**16**
SECOND SEMESTER		
AVSC 450 🦬	Crew Resource Management	3
Free Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
Free Elective		3
	Credit Hours	**15**
	Total Credit Hours	**121**

Plan of Study Grid

Revised with Markup

Course Requirements

🐃 - General Education Course

🎓 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

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Code	Title	Credit Hours
Core Curriculum		
Core I: Critical Thinking		
FYS 100	First Yr Sem Critical Thinking	3
GEO 230 🐃	Intro to Meteorology (CT)	4
PSY 201 🐃	Introductory Psychology (CT)	3
Core II		
CMM 213 🐃	Fund Interpersonal Com	3
Core II Fine Arts		
Core II Humanities (Writing Intensive section recommended)		
Core II Multicultural/International (Writing Intensive section recommended)		
ENG 101 🐃	Beginning Composition	3
ENG 201 🐃	Advanced Composition	3
GEO 230 🐃	Intro to Meteorology (CT)	4
MTH 121 🐃	Concepts and Applications (CT)	3
PSY 201 🐃	Introductory Psychology (CT)	3
Major-Specific Requirements		
General Education		
CMM 213 🐃	Fund Interpersonal Com	3
GEO 230 🐃	Intro to Meteorology (CT)	4
Required Aviation Core Courses		
AVSC 102	Flight School Orientation	3
AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 310	Aerodynamics & Performance	3

Code	Title	Credit Hours
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
AVSC 355	Aviation Weather	3
AVSC 450	Crew Resource Management	3
Required Aviation Flight Courses		
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
~~AVSC 250~~	~~Commercial Phase II AMEL Lab~~	~~3~~
AVSC 305	CFII Lab	1
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
AVSC 345	Initial CFI ASEL Lab	3
AVSC 375	Commercial AMEL Add-On Lab	1
Elective Flight Courses		
AVSC 255	Initial CFI AMEL Lab	3
AVSC 260	ASEL Private Add-On Lab	1
AVSC 265	AMEL Private Add-On Lab	1
AVSC 270	Commercial ASEL Add-On Lab	1
AVSC 290	CFI ASEL Add On Lab	1
AVSC 295	CFI AMEL Add-On Lab	1
Elective Aviation Courses		
Any four of the following courses:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Course List		

Semester Plan

The following semester plan presents a sequence of courses that allows students to complete the degree in eight semesters. Individual student plans will depend upon the courses they have completed, the availability of courses, and other factors.

- A minimum of 120 credit hours are required for the baccalaureate degree.
- Six hours of Writing Intensive (WI) credits are required for the degree. Students are encouraged to select WI sections of courses when available within the plan of study.

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First Year		
FIRST SEMESTER		**CREDIT HOURS**
AVSC 102	Flight School Orientation	3
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
CMM 213	Fund Interpersonal Com	3
FYS 100	First Yr Sem Critical Thinking	3
UNI 100	Freshman First Class	1
	Credit Hours	**15**
SECOND SEMESTER		
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
ENG 101	Beginning Composition	3
GEO 230	Intro to Meteorology (CT)	4
	Credit Hours	**15**
Second Year		
FIRST SEMESTER		
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
MTH 121	Concepts and Applications (CT)	3
PSY 201	Introductory Psychology (CT)	3
ENG 201	Advanced Composition	3

		Credit Hours	**15**

SECOND SEMESTER

AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
Core II Fine Arts		3
	Credit Hours	**15**

Third Year

FIRST SEMESTER

~~AVSC 250~~	~~Commercial Phase II AMEL Lab~~	~~3~~
AVSC 375	Commercial AMEL Add-On Lab	1
AVSC Elective		3

Select one of the following:

AVSC 221	Systems Management
AVSC 315	Airport Operations and Mgmt
AVSC 410	Air Transportation Operations
AVSC 420	International Aviation
AVSC 454	Drones: Remote Sensing & GIS
AVSC 495	Internship in Aviation Ops

Core II Humanities	3
Core II Multicultural/International	3
Free Elective	5 ~~3~~
Credit Hours	**15**

SECOND SEMESTER

AVSC Elective		3

Select one of the following:

AVSC 221	Systems Management
AVSC 315	Airport Operations and Mgmt
AVSC 410	Air Transportation Operations
AVSC 420	International Aviation
AVSC 454	Drones: Remote Sensing & GIS
AVSC 495	Internship in Aviation Ops
AVSC 345	Initial CFI ASEL Lab	3
AVSC 355	Aviation Weather	3

Free Elective	3
Free Elective	3
Credit Hours	**15**

Fourth Year

FIRST SEMESTER

AVSC Elective		3

Select one of the following:

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 305	CFII Lab	14
AVSC 310	Aerodynamics & Performance	3
Free Elective		3
Free Elective		3
Free Elective		3
	Credit Hours	**16**
SECOND SEMESTER		
AVSC 450	Crew Resource Management	3
Free Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
Free Elective		3
	Credit Hours	**15**
	Total Credit Hours	**121**

Plan of Study Grid

Final Revised Plan

Course Requirements

🐃 - General Education Course

🎓 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

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Code	Title	Credit Hours
Core Curriculum		
Core I: Critical Thinking		
FYS 100	First Yr Sem Critical Thinking	3
GEO 230 🐃	Intro to Meteorology (CT)	4
PSY 201 🐃	Introductory Psychology (CT)	3
Core II		
CMM 213 🐃	Fund Interpersonal Com	3
Core II Fine Arts		
Core II Humanities (Writing Intensive section recommended)		
Core II Multicultural/International (Writing Intensive section recommended)		
ENG 101 🐃	Beginning Composition	3
ENG 201 🐃	Advanced Composition	3
GEO 230 🐃	Intro to Meteorology (CT)	4
MTH 121 🐃	Concepts and Applications (CT)	3
PSY 201 🐃	Introductory Psychology (CT)	3
Major-Specific Requirements		
General Education		
CMM 213 🐃	Fund Interpersonal Com	3
GEO 230 🐃	Intro to Meteorology (CT)	4
Required Aviation Core Courses		
AVSC 102	Flight School Orientation	3
AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 310	Aerodynamics & Performance	3

Revised requirements for BS Professional Pilot (FL20). November 15, 2023

Code	Title	Credit Hours
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
AVSC 355	Aviation Weather	3
AVSC 450	Crew Resource Management	3
Required Aviation Flight Courses		
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
AVSC 305	CFII Lab	1
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
AVSC 345	Initial CFI ASEL Lab	3
AVSC 375	Commercial AMEL Add-On Lab	1
Elective Flight Courses		
AVSC 255	Initial CFI AMEL Lab	3
AVSC 260	ASEL Private Add-On Lab	1
AVSC 265	AMEL Private Add-On Lab	1
AVSC 270	Commercial ASEL Add-On Lab	1
AVSC 290	CFI ASEL Add On Lab	1
AVSC 295	CFI AMEL Add-On Lab	1
Elective Aviation Courses		
Any four of the following courses:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Course List		

Semester Plan

The following semester plan presents a sequence of courses that allows students to complete the degree in eight semesters. Individual student plans will depend upon the courses they have completed, the availability of courses, and other factors.

- A minimum of 120 credit hours are required for the baccalaureate degree.
- Six hours of Writing Intensive (WI) credits are required for the degree. Students are encouraged to select WI sections of courses when available within the plan of study.

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at https://www.marshall.edu/gened/.

First Year		
FIRST SEMESTER		**CREDIT HOURS**
AVSC 102	Flight School Orientation	3
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
CMM 213	Fund Interpersonal Com	3
FYS 100	First Yr Sem Critical Thinking	3
UNI 100	Freshman First Class	1
	Credit Hours	**15**
SECOND SEMESTER		
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
ENG 101	Beginning Composition	3
GEO 230	Intro to Meteorology (CT)	4
	Credit Hours	**15**
Second Year		
FIRST SEMESTER		
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
MTH 121	Concepts and Applications (CT)	3
PSY 201	Introductory Psychology (CT)	3
ENG 201	Advanced Composition	3

	Credit Hours	**15**

SECOND SEMESTER

AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
Core II Fine Arts		3
	Credit Hours	**15**

Third Year

FIRST SEMESTER

AVSC 375	Commercial AMEL Add-On Lab	1
AVSC Elective		3

Select one of the following:

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Core II Humanities		3
Core II Multicultural/International		3
Free Elective		5
	Credit Hours	**15**

SECOND SEMESTER

AVSC Elective		3

Select one of the following:

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 345	Initial CFI ASEL Lab	3
AVSC 355	Aviation Weather	3
Free Elective		3
Free Elective		3
	Credit Hours	**15**

Fourth Year

FIRST SEMESTER

AVSC Elective		3

Select one of the following:

AVSC 221	Systems Management	

AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 305	CFII Lab	1
AVSC 310	Aerodynamics & Performance	3
Free Elective		3
Free Elective		3
Free Elective		3
	Credit Hours	**16**
SECOND SEMESTER		
AVSC 450	Crew Resource Management	3
Free Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
Free Elective		3
	Credit Hours	**15**
	Total Credit Hours	**121**

Plan of Study Grid

Note:

These next pages contain an amendment that will be introduced from the floor to the curriculum map proposed in SR 23-24-16 CC. The next pages include:

1. Original
2. Original with Markup
3. Final

Course Requirements

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GEO 230 🦬	Intro to Meteorology (CT)	4
PSY 201 🦬	Introductory Psychology (CT)	3
Core II		
CMM 213 🦬	Fund Interpersonal Com	3
Core II Fine Arts		
Core II Humanities (Writing Intensive section recommended)		
Core II Multicultural/International (Writing Intensive section recommended)		
ENG 101 🦬	Beginning Composition	3
ENG 201 🦬	Advanced Composition	3
GEO 230 🦬	Intro to Meteorology (CT)	4
MTH 121 🦬	Concepts and Applications (CT)	3
PSY 201 🦬	Introductory Psychology (CT)	3
Major-Specific Requirements		
General Education		
CMM 213 🦬	Fund Interpersonal Com	3
GEO 230 🦬	Intro to Meteorology (CT)	4
Required Aviation Core Courses		
AVSC 102	Flight School Orientation	3
AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 310	Aerodynamics & Performance	3

Code	Title	Credit Hours
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
AVSC 355	Aviation Weather	3
AVSC 450	Crew Resource Management	3
Required Aviation Flight Courses		
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
AVSC 250	Commercial Phase II AMEL Lab	3
AVSC 305	CFII Lab	1
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
AVSC 345	Initial CFI ASEL Lab	3
Elective Flight Courses		
AVSC 255	Initial CFI AMEL Lab	3
AVSC 260	ASEL Private Add-On Lab	1
AVSC 265	AMEL Private Add-On Lab	1
AVSC 270	Commercial ASEL Add-On Lab	1
AVSC 290	CFI ASEL Add On Lab	1
AVSC 295	CFI AMEL Add-On Lab	1
Elective Aviation Courses		
Any four of the following courses:		
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AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Course List		

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First Year		
FIRST SEMESTER		**CREDIT HOURS**
AVSC 102	Flight School Orientation	3
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
CMM 213	Fund Interpersonal Com	3
FYS 100	First Yr Sem Critical Thinking	3
UNI 100	Freshman First Class	1
	Credit Hours	**15**
SECOND SEMESTER		
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
ENG 101	Beginning Composition	3
GEO 230	Intro to Meteorology (CT)	4
	Credit Hours	**15**
Second Year		
FIRST SEMESTER		
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
MTH 121	Concepts and Applications (CT)	3
PSY 201	Introductory Psychology (CT)	3
ENG 201	Advanced Composition	3

		Credit Hours	**15**
SECOND SEMESTER			
AVSC 231	Aviation Law and Regulations		3
AVSC 241	Cognition and Aviation Safety		3
AVSC 335	CFI Ground School		3
AVSC 340	Commercial Phase II ASEL Lab		3
Core II Fine Arts			3
		Credit Hours	**15**
Third Year			
FIRST SEMESTER			
AVSC 250	Commercial Phase II AMEL Lab		3
AVSC Elective			3
Select one of the following:			
AVSC 221	Systems Management		
AVSC 315	Airport Operations and Mgmt		
AVSC 410	Air Transportation Operations		
AVSC 420	International Aviation		
AVSC 454	Drones: Remote Sensing & GIS		
AVSC 495	Internship in Aviation Ops		
Core II Humanities			3
Core II Multicultural/International			3
Free Elective			3
		Credit Hours	**15**
SECOND SEMESTER			
AVSC Elective			3
Select one of the following:			
AVSC 221	Systems Management		
AVSC 315	Airport Operations and Mgmt		
AVSC 410	Air Transportation Operations		
AVSC 420	International Aviation		
AVSC 454	Drones: Remote Sensing & GIS		
AVSC 495	Internship in Aviation Ops		
AVSC 345	Initial CFI ASEL Lab		3
AVSC 355	Aviation Weather		3
Free Elective			3
Free Elective			3
		Credit Hours	**15**
Fourth Year			
FIRST SEMESTER			
AVSC Elective			3
Select one of the following:			
AVSC 221	Systems Management		

AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 305	CFII Lab	4
AVSC 310	Aerodynamics & Performance	3
Free Elective		3
Free Elective		3
	Credit Hours	**16**
SECOND SEMESTER		
AVSC 450 🐃	Crew Resource Management	3
Free Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
Free Elective		3
	Credit Hours	**15**
	Total Credit Hours	**121**

Plan of Study Grid

Revised requirements for BS Professional Pilot (FL20). November 15, 2023

Course Requirements

🦬 - General Education Course

🎓 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at https://www.marshall.edu/gened/.

Code	Title	Credit Hours
Core Curriculum		
Core I: Critical Thinking		
FYS 100	First Yr Sem Critical Thinking	3
GEO 230 🦬	Intro to Meteorology (CT)	4
PSY 201 🦬	Introductory Psychology (CT)	3
Core II		
CMM 213 🦬	Fund Interpersonal Com	3
Core II Fine Arts		
Core II Humanities (Writing Intensive section recommended)		
Core II Multicultural/International (Writing Intensive section recommended)		
ENG 101 🎓	Beginning Composition	3
ENG 201 🎓	Advanced Composition	3
GEO 230 🎓	Intro to Meteorology (CT)	4
MTH 121 🎓	Concepts and Applications (CT)	3
PSY 201 🎓	Introductory Psychology (CT)	3
Major-Specific Requirements		
General Education		
CMM 213 🦬	Fund Interpersonal Com	3
GEO 230 🦬	Intro to Meteorology (CT)	4
Required Aviation Core Courses		
AVSC 102	Flight School Orientation	3
AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 310	Aerodynamics & Performance	3

Formatted Table

Revised requirements for BS Professional Pilot (FL20). November 15, 2023

Code	Title	Credit Hours
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
AVSC 355	Aviation Weather	3
AVSC 450	Crew Resource Management	3
Required Aviation Flight Courses		
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
~~AVSC 250~~	~~Commercial Phase II AMEL Lab~~	~~3~~
AVSC 305	CFII Lab	1
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
AVSC 345	Initial CFI ASEL Lab	3
AVSC 375	Commercial AMEL Add-On Lab	1
~~*Elective Flight Courses*~~		
~~AVSC 255~~	~~Initial CFI AMEL Lab~~	~~3~~
~~AVSC 260~~	~~ASEL Private Add-On Lab~~	~~1~~
~~AVSC 265~~	~~AMEL Private Add-On Lab~~	~~1~~
~~AVSC 270~~	~~Commercial ASEL Add-On Lab~~	~~1~~
~~AVSC 290~~	~~CFI ASEL Add On Lab~~	~~1~~
~~AVSC 295~~	~~CFI AMEL Add-On Lab~~	~~1~~
Elective Aviation Courses		
Any four of the following courses:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Course List		

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Revised requirements for BS Professional Pilot (FL20). November 15, 2023

Semester Plan

The following semester plan presents a sequence of courses that allows students to complete the degree in eight semesters. Individual student plans will depend upon the courses they have completed, the availability of courses, and other factors.

- A minimum of 120 credit hours are required for the baccalaureate degree.
- Six hours of Writing Intensive (WI) credits are required for the degree. Students are encouraged to select WI sections of courses when available within the plan of study.

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at https://www.marshall.edu/gened/.

First Year		
FIRST SEMESTER		**CREDIT HOURS**
AVSC 102	Flight School Orientation	3
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
CMM 213	Fund Interpersonal Com	3
FYS 100	First Yr Sem Critical Thinking	3
UNI 100	Freshman First Class	1
	Credit Hours	**15**
SECOND SEMESTER		
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
ENG 101	Beginning Composition	3
GEO 230	Intro to Meteorology (CT)	4
	Credit Hours	**15**
Second Year		
FIRST SEMESTER		
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
MTH 121	Concepts and Applications (CT)	3
PSY 201	Introductory Psychology (CT)	3
ENG 201	Advanced Composition	3

		Credit Hours	15
SECOND SEMESTER			
AVSC 231	Aviation Law and Regulations		3
AVSC 241	Cognition and Aviation Safety		3
AVSC 335	CFI Ground School		3
AVSC 340	Commercial Phase II ASEL Lab		3
Core II Fine Arts			3
		Credit Hours	15
Third Year			
FIRST SEMESTER			
~~AVSC 250~~	~~Commercial Phase II AMEL Lab~~		~~3~~
AVSC 375	Commercial AMEL Add-On Lab		1
AVSC Elective			3
Select one of the following:			
AVSC 221	Systems Management		
AVSC 315	Airport Operations and Mgmt		
AVSC 410	Air Transportation Operations		
AVSC 420	International Aviation		
AVSC 454	Drones: Remote Sensing & GIS		
AVSC 495	Internship in Aviation Ops		
Core II Humanities			3
Core II Multicultural/International			3
Free Elective			5 ~~3~~
		Credit Hours	15
SECOND SEMESTER			
AVSC Elective			3
Select one of the following:			
AVSC 221	Systems Management		
AVSC 315	Airport Operations and Mgmt		
AVSC 410	Air Transportation Operations		
AVSC 420	International Aviation		
AVSC 454	Drones: Remote Sensing & GIS		
AVSC 495	Internship in Aviation Ops		
AVSC 345	Initial CFI ASEL Lab		3
AVSC 355	Aviation Weather		3
Free Elective			3
Free Elective			3
		Credit Hours	15
Fourth Year			
FIRST SEMESTER			
AVSC Elective			3
Select one of the following:			

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 305	CFII Lab	14
AVSC 310	Aerodynamics & Performance	3
Free Elective		3
Free Elective		3
Free Elective		3
	Credit Hours	**16**
SECOND SEMESTER		
AVSC 450 🦬	Crew Resource Management	3
Free Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
Free Elective		3
	Credit Hours	**15**
	Total Credit Hours	**121**

Plan of Study Grid

Course Requirements

🦬 - General Education Course

🎓 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

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Code	Title	Credit Hours
Core Curriculum		
Core I: Critical Thinking		
FYS 100	First Yr Sem Critical Thinking	3
GEO 230 🦬	Intro to Meteorology (CT)	4
PSY 201 🦬	Introductory Psychology (CT)	3
Core II		
CMM 213 🦬	Fund Interpersonal Com	3
Core II Fine Arts		
Core II Humanities (Writing Intensive section recommended)		
Core II Multicultural/International (Writing Intensive section recommended)		
ENG 101 🦬	Beginning Composition	3
ENG 201 🦬	Advanced Composition	3
GEO 230 🦬	Intro to Meteorology (CT)	4
MTH 121 🦬	Concepts and Applications (CT)	3
PSY 201 🦬	Introductory Psychology (CT)	3
Major-Specific Requirements		
General Education		
CMM 213 🦬	Fund Interpersonal Com	3
GEO 230 🦬	Intro to Meteorology (CT)	4
Required Aviation Core Courses		
AVSC 102	Flight School Orientation	3
AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 310	Aerodynamics & Performance	3

Revised requirements for BS Professional Pilot (FL20). November 15, 2023

Code	Title	Credit Hours
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
AVSC 355	Aviation Weather	3
AVSC 450	Crew Resource Management	3
Required Aviation Flight Courses		
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
AVSC 305	CFII Lab	1
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
AVSC 345	Initial CFI ASEL Lab	3
AVSC 375	Commercial AMEL Add-On Lab	1
Elective Aviation Courses		
Any four of the following courses:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Course List		

Semester Plan

The following semester plan presents a sequence of courses that allows students to complete the degree in eight semesters. Individual student plans will depend upon the courses they have completed, the availability of courses, and other factors.

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- Six hours of Writing Intensive (WI) credits are required for the degree. Students are encouraged to select WI sections of courses when available within the plan of study.

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at https://www.marshall.edu/gened/.

First Year		
FIRST SEMESTER		**CREDIT HOURS**
AVSC 102	Flight School Orientation	3
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
CMM 213	Fund Interpersonal Com	3
FYS 100	First Yr Sem Critical Thinking	3
UNI 100	Freshman First Class	1
	Credit Hours	**15**
SECOND SEMESTER		
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
ENG 101	Beginning Composition	3
GEO 230	Intro to Meteorology (CT)	4
	Credit Hours	**15**
Second Year		
FIRST SEMESTER		
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
MTH 121	Concepts and Applications (CT)	3
PSY 201	Introductory Psychology (CT)	3
ENG 201	Advanced Composition	3

	Credit Hours	15
SECOND SEMESTER		
AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
Core II Fine Arts		3
	Credit Hours	15
Third Year		
FIRST SEMESTER		
AVSC 375	Commercial AMEL Add-On Lab	1
AVSC Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Core II Humanities		3
Core II Multicultural/International		3
Free Elective		5
	Credit Hours	15
SECOND SEMESTER		
AVSC Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 345	Initial CFI ASEL Lab	3
AVSC 355	Aviation Weather	3
Free Elective		3
Free Elective		3
	Credit Hours	15
Fourth Year		
FIRST SEMESTER		
AVSC Elective		3
Select one of the following:		
AVSC 221	Systems Management	

AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 305	CFII Lab	1
AVSC 310	Aerodynamics & Performance	3
Free Elective		3
Free Elective		3
Free Elective		3
	Credit Hours	**16**
SECOND SEMESTER		
AVSC 450 🐃	Crew Resource Management	3
Free Elective		3
Select one of the following:		
AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
Free Elective		3
	Credit Hours	**15**
	Total Credit Hours	**121**
Plan of Study Grid		