

Marshall University

## Marshall Digital Scholar

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Recommendations

Faculty Senate

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2-26-2020

### SR 19-20-20 CC

Marshall University Faculty Senate

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**University Curriculum Committee  
RECOMMENDATION**

**SR-19-20-20 CC**

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

**Comment:** Projected start date: Fall 2021

**School of Aviation**

**Course Name Additions and Rationales:**

**AVSC 102 Flight School Orientation**

Rationale: An orientation course for students enrolled in the flight school. Topics to include pilot training regulations and procedures, safety and security, federal aviation organizations, and career opportunities.

**Curriculum:** <http://www.marshall.edu/senate/ucc/archives/AVSC%20102%20Course%20Addition.pdf>

**AVSC 105 Transition Lab**

Rationale: Students admitted the program who hold FAA certifications will learn the operation of Marshall's aircraft at a level commensurate with his or her FAA certification.

**Curriculum:** <http://www.marshall.edu/senate/ucc/archives/AVSC%20105%20Course%20Addition.pdf>

**AVSC 200 Private Pilot Ground School**

Rationale: An introductory overview of aviation fundamentals as required by the Federal Aviation Administration regulations for students pursuing a Private Pilot certificate.

**Curriculum:** <http://www.marshall.edu/senate/ucc/archives/AVSC%20200.pdf>

**AVSC 205 Solo Flight Laboratory**

Rationale: A course designed to prepare students for a pilot's first solo flight.

**Curriculum:** <http://www.marshall.edu/senate/ucc/archives/AVSC%20205.pdf>

**AVSC 210 Private Pilot CERT ASEL Lab**

Rationale: A course designed to prepare students to pass the Federal Aviation Administration Private Pilot Practical Exam: ASEL

**Curriculum:** <http://www.marshall.edu/senate/ucc/archives/AVSC%20210.pdf>

**University Curriculum Committee  
RECOMMENDATION**

**SR-19-20-20 CC**

**AVSC 215 Instrument Ground School**

Rationale: A course designed to prepare students to pass the Federal Aviation Administration Instrument Practical Exam.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/Avsc%20215.pdf>

**AVSC 220 Instrument Certification Lab**

Rationale: A lab course designed to prepare students to pass the Federal Aviation Administration Instrument Practical Exam.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20220.pdf>

**AVSC 225 Commercial Ground School**

Rationale: A study of commercial flight fundamentals as required by Federal Aviation Administration regulations for students pursuing a Commercial Pilot certificate.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20225.pdf>

**AVSC 230 Commercial Phase 1 Lab**

Rationale: A continued review of topics required for flying an airplane in VFR & IFR environments during day and night cross-country flights, and development of Pilot in Command decision-making skills.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20230.pdf>

**AVSC 235 CFI Ground School**

Rationale: Review the instruction fundamentals required by the FAA for pilots pursuing a Certified Flight Instructor rating.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20235.pdf>

**AVSC 240 Commercial Phase II ASEL Lab**

Rationale: A course designed to prepare students to pass the Federal Aviation Administration ASEL Commercial Practical Exam.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20240.pdf>

**University Curriculum Committee  
RECOMMENDATION**

**SR-19-20-20 CC**

**AVSC 245 Initial CFI ASEL Lab**

Rationale: A course designed to train to become Federal Aviation Administration certified flight instructors.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20245.pdf>

**AVSC 250 Commercial Phase II AMEL Lab**

Rationale: A course designed to prepare students to pass the Federal Aviation Administration Commercial Pilot Practical Exam for multi-engine airplane.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20250.pdf>

**AVSC 255 Initial CFI AMEL Lab**

Rationale: A course designed to train students to become Federal Aviation Administration certified flight instructors required of a Private and Commercial Pilot.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20255.pdf>

**AVSC 260 ASEL Private Add-On Lab**

Rationale: Designed to prepare pilots to complete the to complete the Federal Aviation Administration's ASEL practical exam.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20260.pdf>

**AVSC 265 AMEL Private Add-On Lab**

Rationale: Designed to prepare pilots to complete the Federal Aviation Administration's AMEL private practical Exam

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20265.pdf>

**AVSC 270 Commercial ASEL Add-On Lab**

Rationale: Designed to prepare pilots to complete the Federal Aviation Administration's Commercial Pilot ASEL Practical Add-On Exam.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20270%20Course%20Addition.pdf>

**AVSC 275 Commercial AMEL Add-On Lab**

## University Curriculum Committee RECOMMENDATION

### **SR-19-20-20 CC**

Rationale: Designed to prepare pilots to complete the Federal Aviation Administration's Instrument Practical exam and Commercial Pilot Add-On Practical exam for multi-engine airplane.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20275.pdf>

### **AVSC 290 CFI ASEL Add On Lab**

Rationale: Designed to prepare pilots to complete the Federal Aviation Administration's Certified Flight Instructor Add-On Practical Exam.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20290.pdf>

### **AVSC 295 CFI AMEL Add-On Lab**

Rationale: Designed to prepare pilots to complete the Federal Aviation Administration's AMEL Certified Flight Instructor Add-On Practical Exam.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20295.pdf>

### **AVSC 300 Tailwheel Transition Lab**

Rationale: Designed to prepare pilots to earn a tail-wheel endorsement from the Federal Aviation Administration.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20300.pdf>

### **AVSC 305 CFII Lab**

Rationale: Designed to prepare pilots to pass the FAA Certified Flight Instructor Instrument Practical Exam.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20305.pdf>

### **AVSC 450 Crew Resource Management**

Rationale: Within this capstone course, students will examine the principles of proper crew collaboration that reduce the risk of accidents caused by human behavior.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/AVSC%20450%20Course%20Addition.pdf>

## **College of Arts and Media**

### **Course Name Additions and Rationales:**

**MUS 142H Music in Society Honors**

## University Curriculum Committee RECOMMENDATION

### SR-19-20-20 CC

Rationale: Exploration of the roles and value of music in culture and society for non-music majors at the Honors level.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/MUS142H.pdf>

### THE 112H Theatre Appreciation Honors

Rationale: The development of an appreciation and an understanding of theatre as a fine art. For honors non-theatre majors.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/THE112H.pdf>

## College of Science

### Course Name Additions and Rationales:

#### CIT266 Applied C++ Programming

Rationale: Designed to teach students intermediate C++ programming through an applied approach with examples and applications.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/CIT266.pdf>

#### NRE 200 Introduction to Agriculture

Rationale: The course will discuss scientific concepts essential to agriscience and examine practices, careers, and new directions in various fields in agriculture.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/NRE200.pdf>

#### NRE 300 Principles of Soil Science

Rationale: This course examines the principles of soils, including origin, composition, classification, and physical, chemical, and biological properties and processes, as well as agricultural and environmental applications.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/NRE300.pdf>

#### NRE 301 Principles of Soil Science Lab

Rationale: A laboratory course that demonstrates the application of concepts introduced in NRE 300 Principles of Soil Science.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/NRE301.pdf>

**University Curriculum Committee  
RECOMMENDATION**

**SR-19-20-20 CC**

**NRE 400 Soil Fertility/Plant Nutrition**

Rationale: This course will examine the properties of soil fertility, its relationship to plant nutrition, and practices in nutrient management and fertilizer application.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/NRE400.pdf>

**NRE 401 Horticulture**

Rationale: This course will examine the principles and practices in horticulture and apply these practices through a semester service project.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/NRE401.pdf>

**NRE 402 Sustainable Agriculture**

Rationale: This course will examine the principles of sustainable agriculture and its relationship with natural resources while identifying challenges to agricultural sustainability and frontiers in the field.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/NRE402.pdf>

**STA 435 Statistical Data Mining**

Rationale: Introduction to statistical learning techniques for analyzing high dimensional data. Topics include data mining strategy, explanatory analysis, predictive modeling techniques and modeling techniques and model assessment.

Curriculum: <http://www.marshall.edu/senate/ucc/archives/STA435.pdf>

**FACULTY SENATE CHAIR:**

APPROVED BY THE  
FACULTY SENATE: \_\_\_\_\_ DATE: 2/26/2020

DISAPPROVED BY THE  
FACULTY SENATE: \_\_\_\_\_ DATE: \_\_\_\_\_

**UNIVERSITY PRESIDENT:**

APPROVED: Jerome G. Pitt DATE: 4-14-2020

DISAPPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_



**University Curriculum Committee  
RECOMMENDATION**

**SR-19-20-20 CC**

**COMMENTS:** \_\_\_\_\_  
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NOTE: Recommendations should be sent to the Faculty Senate office via email. Recommendations longer than one page or those with attachments are to be sent in final format with this as a cover page. Any incomplete recommendations or those requiring extensive formatting changes will be returned to the recording secretary/committee.