

# AVIATION MANAGEMENT (AVM)

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## AVM 1000 - Helicopter Ground I

### Credit(s): 2 Credits

This course includes all topics required by the FAA Approved Part 141 Aviation Regulations for the Private Pilot Certificate. Students will also be introduced to the training aircraft with practical application problems. Offered annually as needed.

#### Restrictions:

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Students in the Madrid, Spain campus may **not** enroll.

**Attributes:** In-person Only, Special Approval Required

## AVM 1500 - Helicopter Flight Operations I

### Credit(s): 2 Credits

This is the first in the sequence of flight training courses. This course will include all operations and procedures required for the Private Pilot Certificate with a Helicopter rating.

#### Restrictions:

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Students in the Madrid, Spain campus may **not** enroll.

**Attributes:** Special Approval Required

## AVM 2000 - Helicopter Ground II

### Credit(s): 2 Credits

Federal Aviation Regulations and flight procedures as outlined in the Aeronautical Information Manual; aircraft engine operation, aircraft/engine performance; flight instrumentation and systems; aircraft operations. The student is prepared to take the FAA commercial pilot knowledge test upon successful completion of this course. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

**Prerequisite(s):** AVM 1000

#### Restrictions:

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Students in the Madrid, Spain campus may **not** enroll.

**Attributes:** Special Approval Required

## AVM 2010 - Instrument Flight

### Credit(s): 2 Credits

This course is part one of an instrument flight training sequence. Instruction is provided to introduce Pilots to instrument operations and standards. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

**Prerequisite(s):** AVM 1500

#### Restrictions:

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Students in the Madrid, Spain campus may **not** enroll.

## AVM 2020 - Commercial Flight I

### Credit(s): 2 Credits

This course is part one of a commercial flight training sequence. Instruction is provided to introduce Commercial Pilots to operations and standards. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

**Prerequisite(s):** AVM 1500

#### Restrictions:

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Students in the Madrid, Spain campus may **not** enroll.

## AVM 2500 - Helicopter Flight Operations II

### Credit(s): 2 Credits

This course is the second in the flight training sequence. Instruction is provided to introduce Commercial Pilot operations and standards. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

**Prerequisite(s):** AVM 1500

#### Restrictions:

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

**Attributes:** Special Approval Required

## AVM 2930 - Special Topics

**Credit(s): 3 Credits** (Repeatable for credit)

## AVM 2980 - Independent Study

**Credit(s): 1 or 3 Credits** (Repeatable for credit)

**AVM 3000 - Helicopter Ground III**

**Credit(s): 2 Credits**

Attitude instrument flying, parts 61 and 91 of the Federal Aviation Regulations along with the Instrument Flight Procedure set forth in the Aeronautical Information Manual; introduction to IFR charts and approach plates; theory and operation of flight instruments; radio navigation; theory and analysis of weather reports, forecasts and weather charts. The student is prepared to take the FAA instrument knowledge test upon successful completion of this course. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

**Prerequisite(s):** AVM 2000

**Restrictions:**

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Students in the Madrid, Spain campus may **not** enroll.

**AVM 3010 - Commercial Flight II**

**Credit(s): 2 Credits**

This course is part two of a commercial flight training sequence. Instruction is provided to conclude pilot orientation to commercial flight operations and standards. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

**Prerequisite(s):** AVM 2010

**Restrictions:**

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Students in the Madrid, Spain campus may **not** enroll.

**AVM 3500 - Helicopter Flight Operations III**

**Credit(s): 2 Credits**

This course is the third in the flight training sequence. Instruction is provided to complete helicopter Commercial Pilot certificate. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

**Prerequisite(s):** AVM 2500

**Restrictions:**

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

**Attributes:** Special Approval Required

**AVM 3750 - Helicopter Flight Operations IV**

**Credit(s): 2 Credits**

This course is the fourth course in the flight sequence. Instruction is provided to complete the Instrument Rating. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

**Prerequisite(s):** AVM 3500

**Restrictions:**

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

**Attributes:** Special Approval Required

**AVM 3930 - Special Topics**

**Credit(s): 3 Credits** (Repeatable for credit)

**AVM 3980 - Independent Study**

**Credit(s): 1 or 3 Credits** (Repeatable for credit)

**AVM 4000 - Principles of Flight Instruction I**

**Credit(s): 2 Credits**

Fundamentals of teaching and learning; teaching methods; aerodynamics; flight training syllabus; maneuvers and procedures. The student is prepared to take the two flight instructor knowledge tests upon successful completion of this course. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

**Prerequisite(s):** AVM 3000

**Restrictions:**

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Students in the Madrid, Spain campus may **not** enroll.

**Attributes:** Special Approval Required

**AVM 4250 - Helicopter Flight Operations V**

**Credit(s): 2 Credits**

Instruction leading to flight instructor certificate with Helicopter rating. Prerequisite: commercial pilot certificate. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department. Commercial Pilot Certificate with Instrument Rating Required.

**Prerequisite(s):** AVM 3750

**Restrictions:**

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

**Attributes:** Special Approval Required

**AVM 4500 - Principles of Flight Instruction II**

**Credit(s): 2 Credits**

This course will provide the appropriate knowledge to understand the elements of teaching instrument and multiengine flight. The student will prepare lesson plans and practice various methodologies appropriate for advanced flight instruction. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department. Possession of the Certified Flight Instructor Airplane Certificate required.

**Restrictions:**

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

**Attributes:** Special Approval Required

**AVM 4750 - Helicopter Flight Operations VI****Credit(s): 1 Credit**

Instruction leading to the addition of an instrument rating to a flight instructor certificate. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department. Commercial Flight Instructor Certificate Required.

**Prerequisite(s):** AVM 4250**Restrictions:**

Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

**Attributes:** Special Approval Required**AVM 4930 - Special Topics****Credit(s): 3 Credits** (Repeatable for credit)**AVM 4980 - Independent Study****Credit(s): 1 or 3 Credits** (Repeatable for credit)