

## Aviation - Professional Pilot Helicopter

Associate of Applied Science

### PROGRAM DESCRIPTION

The Aviation program trains individuals to work as professional pilots in the air transportation industry. Students in the helicopter track will be eligible to earn the FAA Private Pilot and Commercial Pilot certificates, the Instrument rating and Certified Flight Instructor certificate/rating (CFI, CFII). Training will be conducted under Federal Aviation Regulations Part 61

### PROGRAM COSTS

(beyond standard tuition/fees and textbooks)

#### Material Costs

- All fees for the term must be paid in full by 5 p.m. on Friday of the second week of the term.

- Unless under unusual, nonacademic and documented circumstances simulator fees are non-refundable.
- Used portions of flight fees are non-refundable.
- Pilot headset, approximately \$350.
- Flight Labs: Authorized Aircraft and Hourly Rates:

#### Helicopter Series I Aircraft: Robinson R22, R44, B206, FTD

##### • AV 227A Helicopter Flight Lab, Private Pilot (AV115)

###### Robinson R22

15 hrs. Pre/Post Instruction @ \$35 = \$525

24 hrs. Dual flight @ \$360 = \$8,640

3 hrs. Dual FTD @ \$195 = \$585

Total = \$9,750.00

Total Flight Hrs. = 27 hrs. (1 credit)

##### • AV 227B Helicopter Flight Lab, Private Pilot (AV115)

###### Robinson R22

16 hrs. Pre/Post Instruction @ \$35 = \$560

24 hrs. Dual flight @ \$360 = \$8,640

2 hrs. Dual FTD @ \$195 = \$390

Total = \$9,590.00

Total Flight Hrs. = 26 hrs. (1 credit)

##### • AV 227C Helicopter Flight Lab, Private Pilot (AV115)

###### Robinson R22

16 hrs. Pre/Post Instruction @ \$35 = \$560

14 hrs. Dual flight @ \$360 = \$5,040

10 hrs. Solo flight @ \$360 \* = \$3,600

2 hrs. Dual FTD @ \$195 = \$390

Written Exam Fee = \$160

DPE Fee = \$750

Total = \$10,500.00

Total Flight Hrs. = 26 hrs. (1 credit)

\*Supervised Solo- charged at a dual rate due to required presence of a certified flight instructor

##### • AV 227D Helicopter Flight Lab, Instrument Pilot (AV215)

###### Robinson R44

20 hrs. Pre/Post Instruction @ \$35 = \$700

20 hrs. Dual flight @ \$650 = \$13,000

(Dual flight includes 15 hrs Pilot in Command)

10 hrs. Dual FTD @ \$195 = \$1,950

Total = \$15,650.00

Total Flight Hrs. = 30 hrs. (1 credit)

##### • AV 227E Helicopter Flight Lab, Instrument Pilot (AV215)

###### Robinson R44

25 hrs. Pre/Post Instruction @ \$35 = \$875

15 hrs. Dual flight @ \$650 = \$9,750

10 hrs. Dual FTD @ \$195 = \$1,950

Written Exam Fee = \$160

DPE Fee = \$750

Total = \$13,485.00

Total Flight Hrs. = 25 hrs. (1 credit)

##### • AV 227N Helicopter Flight Lab, Instrument Pilot (AV215)

###### Robinson R44

10 hrs. Pre/Post Instruction @ \$35 = \$350

10 hrs. Dual flight @ \$760\* = \$7,600

NVG Fee = \$500

Total = \$8,450.00

Total Flight Hrs. = 10 hrs. (1 credit)

\*Flown in a night vision google compatible helicopter

##### • AV 227F Helicopter Flight Lab, Commercial Pilot (AV225)

###### Robinson R22

18 hrs. Pre/Post Instruction @ \$35 = \$630

35 hrs. Dual flight @ \$360 = \$12,600

(Dual flight includes 15 hrs Pilot in Command)

2 hrs. Dual FTD @ \$195 = \$390

Total = \$13,620.00

Total Flight Hrs. = 37 hrs. (1 credit)

- **AV 227G Helicopter Flight Lab, Commercial Pilot (AV225) Robinson R22**  
18 hrs. Pre/Post Instruction @ \$35 = \$630  
35 hrs. Dual flight @ \$360 = \$12,600  
2 hrs. Dual FTD @ \$195 = \$390  
Written Exam Fee = \$160  
DPE Fee = \$750  
Total = \$14,530.00  
Total Flight Hrs. = 37 hrs. (1 credit)
  - **AV 227H Helicopter Flight Lab, Commercial Pilot (AV225) Bell 206**  
12 hrs. Pre/Post Instruction @ \$35 = \$420  
20 hrs. Dual flight @ \$935 = \$18,700  
Total = \$19,120.00  
Total Flight Hrs. = 20 hrs. (1 credit)
  - **AV 227I Helicopter Flight Lab, Certified Flight Instructor (AV255) Robinson R22**  
53 hrs. Pre/Post Instruction @ \$35 = \$1,855  
20 hrs. Dual flight @ \$360 = \$7,200  
2 hrs. Dual FTD @ \$195 = \$390  
Written Exam Fee = \$320  
DPE Fee = \$850  
Total = \$10,615.00  
Total Flight Hrs. = 22 hrs. (1 credit)
  - **AV 227J Helicopter Flight Lab, Certified Flight Instructor (AV255) Robinson R44**  
25 hrs. Pre/Post Instruction @ \$35 = \$875  
10 hrs. Dual flight @ \$650 = \$6,500  
5 hrs. Dual FTD @ \$195 = \$975  
Written Exam Fee = \$160  
DPE Fee = \$750  
Total = \$9,260.00  
Total Flight Hrs. = 15 hrs. (1 credit)
- Series II Aircraft: Robinson R44, B206, FTD**
- **AV 228A Helicopter Flight Lab, Private Pilot (AV115) Robinson R44**  
15 hrs. Pre/Post Instruction @ \$35 = \$525  
24 hrs. Dual flight @ \$650 = \$15,600  
3 hrs. Dual FTD @ \$195 = \$585  
Total: \$16,710.00  
Total Flight Hrs. = 27 hrs. (1 credit)
  - **AV 228B Helicopter Flight Lab, Private Pilot (AV115) Robinson R44**  
16 hrs. Pre/Post Instruction @ \$35 = \$560  
24 hrs. Dual flight @ \$650 = \$15,600  
2 hrs. Dual FTD @ \$195 = \$390  
Total: \$16,550.00  
Total Flight Hrs. = 26 hrs. (1 credit)
  - **AV 228C Helicopter Flight Lab, Private Pilot (AV115) Robinson R44**  
16 hrs. Pre/Post Instruction @ \$35 = \$560  
14 hrs. Dual flight @ \$650 = \$9,100  
10 hrs. Solo Flight @ \$650 \* = \$6,500  
2 hrs. Dual FTD @ \$195 = \$390  
Written Exam Fee = \$160  
DPE Fee = \$750  
Total: \$17,460.00  
Total Flight Hrs. = 26 hrs. (1 credit)  
\*Supervised Solo- charged at a dual rate due to required presence of a certified flight instructor
  - **AV 228D Helicopter Flight Lab, Instrument Pilot (AV215) Robinson R44**  
20 hrs. Pre/Post Instruction @ \$35 = \$700  
20 hrs. Dual flight @ \$650 = \$13,000  
(Dual flight includes 15 hrs Pilot in Command)
- 10 hrs. Dual FTD @ \$195 = \$1,950  
Total = \$15,650.00  
Total Flight Hrs. = 30 hrs. (1 credit)
  - **AV 228E Helicopter Flight Lab, Instrument Pilot (AV215) Robinson R44**  
25 hrs. Pre/Post Instruction @ \$35 = \$875  
15 hrs. Dual flight @ \$650 = \$9,750  
10 hrs. Dual FTD @ \$195 = \$1,950  
Written Exam Fee = \$160  
DPE Fee = \$750  
Total = \$13,485.00  
Total Flight Hrs. = 25 hrs. (1 credit)
  - **AV 228N Helicopter Flight Lab, Instrument Pilot (AV215) Robinson R44**  
10 hrs. Pre/Post Instruction @ \$35 = \$350  
10 hrs. Dual flight @ \$760\* = \$7,600  
NVG Fee = \$500  
Total = \$8,450.00  
Total Flight Hrs. = 10 hrs. (1 credit)  
\* Flown in a night vision google compatible helicopter
  - **AV 228F Helicopter Flight Lab, Commercial Pilot (AV225) Robinson R44**  
18 hrs. Pre/Post Instruction @ \$35 = \$630  
35 hrs. Dual flight @ \$650 = \$22,750  
(Dual flight includes 15 hrs Pilot in Command)  
2 hrs. Dual FTD @ \$195 = \$390  
Total: \$23,770.00  
Total Flight Hrs. = 37 hrs. (1 credit)
  - **AV 228G Helicopter Flight Lab, Commercial Pilot (AV225) Robinson R44**  
18 hrs. Pre/Post Instruction @ \$35 = \$630  
35 hrs. Dual flight @ \$650 = \$22,750  
2 hrs. Dual FTD @ \$195 = \$390  
Written Exam Fee = \$160  
DPE Fee = \$750  
Total: \$24,680.00  
Total Flight Hrs. = 37 hrs. (1 credit)
  - **AV 228H Helicopter Flight Lab, Commercial Pilot (AV225) Bell 206**  
12 hrs. Pre/Post Instruction @ \$35 = \$420  
20 hrs. Dual flight @ \$935 = \$18,700  
Total = \$19,120.00  
Total Flight Hrs. = 20 hrs. (1 credit)
  - **AV 228I Helicopter Flight Lab, Certified Flight Instructor (AV255) Robinson R44**  
53 hrs. Pre/Post Instruction @ \$35 = \$1,855  
20 hrs. Dual flight @ \$650 = \$13,000  
2 hrs. Dual FTD @ \$195 = \$390  
Written Exam Fee = \$320  
DPE Fee = \$850  
Total: \$16,415.00  
Total Flight Hrs. = 22 hrs. (1 credit)
  - **AV 228J Helicopter Flight Lab, Certified Flight Instructor (AV255) Robinson R44**  
25 hrs. Pre/Post Instruction @ \$35 = \$875  
10 hrs. Dual flight @ \$650 = \$6,500  
5 hrs. Dual FTD @ \$195 = \$975  
Written Exam Fee = \$160  
DPE Fee = \$750  
Total = \$9,260.00  
Total Flight Hrs. = 15 hrs. (1 credit)
- PROGRAM ENTRANCE REQUIREMENTS**  
**Academic Entrance Requirements**
- None

**Other Entrance Requirements**

- Required:
  - Students who enroll in this course of study must have a valid FAA Medical Certificate and a student pilot certificate. A doctor designated by the FAA as an Aviation Medical Examiner must conduct the medical exam.
- Recommended:
  - Incoming students in the professional pilot program are encouraged to obtain at least a second-class medical certificate prior to entry into the program to ensure that they can eventually pursue a career in commercial aviation.

**PROGRAM PERFORMANCE STANDARDS****Academic Requirements**

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
- Students must maintain a minimum 2.0 GPA while enrolled in the program. Students who do not maintain this standard and desire to continue the program, require completion of a training plan approved by their COCC advisor.
- All courses in the program must be completed with a grade of C or higher.

**Additional Requirements**

- The FAA requires applicants pass an airman knowledge exam for pilot certificates/ratings.
- Students must be prepared to fly three to four days per week in order to maintain the rigorous schedule that is required in order to complete the flight training in a timely manner.

**PROGRAM COURSE REQUIREMENTS****Core Courses**

AV 101	Introduction to Aviation <sup>1</sup>	3
AV 104	Introduction to Aircraft Systems <sup>1</sup>	4
AV 108	Meteorology I <sup>1</sup>	4
AV 112	Technically Advanced Aircraft	1
AV 112A	Tech Advanced Aircraft Lab	1
AV 115	Private Pilot-Helicopter <sup>2</sup>	5
AV 117	Helicopter Fundamentals	3
AV 150	Aerodynamics <sup>1</sup>	4
AV 200	Aviation Law <sup>1</sup>	3
or AV 201	Airport Management	
AV 208	Meteorology II <sup>1</sup>	4
AV 215	Instrument Helicopter <sup>4</sup>	5
AV 225	Commercial Pilot-Helicopter <sup>4</sup>	4
AV 235	Human Factors <sup>1</sup>	4
AV 245	Advanced Helicopter Operations	4
AV 246	Aviation Safety <sup>1</sup>	3
AV 255	Cert Flight Instr-Helicopter	5

Helicopter Flight Labs (Choose Series I or Series II)<sup>3</sup> 11

## Series I

AV 227A	Helicopter Flt Lab Series I	
AV 227B	Helicopter Flt Lab Series I	
AV 227C	Helicopter Flt Lab Series I	
AV 227D	Helicopter Flt Lab Series I	
AV 227E	Helicopter Flt Lab Series I	
AV 227F	Helicopter Flt Lab Series I	
AV 227G	Helicopter Flt Lab Series I	
AV 227H	Helicopter Flt Lab Series I	
AV 227I	Helicopter Flt Lab Series I	
AV 227J	Helicopter Flt Lab Series I	
AV 227N	Helicopter Flt Lab Series I	

## Series II

AV 228A	Helicopter Flt Lab Series II	
AV 228B	Helicopter Flt Lab Series II	
AV 228C	Helicopter Flt Lab Series II	
AV 228D	Helicopter Flt Lab Series II	
AV 228E	Helicopter Flt Lab Series II	
AV 228F	Helicopter Flt Lab Series II	

AV 228G	Helicopter Flt Lab Series II	
AV 228H	Helicopter Flt Lab Series II	
AV 228I	Helicopter Flt Lab Series II	
AV 228J	Helicopter Flt Lab Series II	
AV 228N	Helicopter Flt Lab Series II	

**Other Required Courses**

BA 206	Management Fundamentals I	4
or BA 101	Intro to Business	
BA 285	Business Human Relations	3
or SP 218	Interpersonal Communication	
CIS 120	Computer Concepts (or Computer Competency Test)	0-4
Discipline Studies Courses		8
MTH 085	Technical Mathematics I	4
or MTH 111	or higher	
WR 121	Academic Composition <sup>5</sup>	3-4
or BA 214	Business Communications	

**Total Credits 90-95**

<sup>1</sup> May be taken in any order, in any term and may be taken before, with or after the flight courses.

<sup>2</sup> Must be taken as the first flight course. May be taken any term.

<sup>3</sup> Flight fees, simulator fees and FAA testing fees are required in addition to normal tuition for all flight labs and must be paid by the end of the second week of the term. Used portions of flight and simulator fees are not refundable. Contact the Aviation program director at 541.318.3702 for more information.

<sup>4</sup> The Private Pilot Helicopter course AV 115 shall be completed prior to the Instrument Helicopter course AV215, and the Instrument Helicopter course AV215 shall be completed before the Commercial Pilot Helicopter course AV225.

<sup>5</sup> WR 121 recommended for students who will pursue a bachelor's degree.