

Palomar College Catalog 2009-2010

Aviation Sciences (AVIA)

Contact the Earth, Space, and Aviation Sciences Department for further information.

(760) 744-1150, ext. 2512

Office: NS-110G

For transfer information, consult a Palomar College Counselor.

Associate in Arts Degrees -

AA Degree requirements are listed in Section 6 (green pages).

- Aviation Operations and Management
- Aircraft Commercial Pilot

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Aviation Operations and Management
- Aircraft Commercial Pilot

PROGRAMS OF STUDY

Aviation Operations and Management

For students interested in the business or piloting aspects of aviation. Transfers to some four year programs in this field.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
AVIA 100 Introduction to Aviation Sciences	3
AVIA 105 Basic Pilot Ground School	3
AVIA 115 Air Traffic Control	3
AVIA 120 Aviation Weather	3
BUS 205 Business Writing	3
ECON 101 Principles of Economics (Macro)	3
ECON 102 Principles of Economics (Micro)	3

Elective Courses (Select 15 units minimum)

ACCT 103 and ACCT 104 Financial Accounting	4
ACCT 104 Accounting Spreadsheet Laboratory	1
AVIA 106 Commercial Pilot Ground School	3
AVIA 107 Instrument Pilot Ground School	3
AVIA 108 Flight Instructor Ground School	3
AVIA 125 Instrument Simulator Lab	1.5
AVIA 145 Glass Cockpits and GPS Navigation	1
AVIA 205 Principles of Aerodynamics	3
AVIA 210 Aviation Safety and Accident Investigation	3
AVIA 220 Regional Airline Aircraft Systems	3
BUS 115 Business Law	3
BUS 155 Marketing	3
BMGT 110 Human Resource Management	3
BMGT 115 Organizational Theory and Design	3
CSIT 105 Computer Concepts and Applications	3
GEOG 110 Meteorology: Weather and Climate	3
MATH 115 Trigonometry	3
MATH 120 Elementary Statistics	3
PHYS 120 General Physics	4
PHYS 121 General Physics	4
CE 100 Cooperative Education	1,2,3,4

TOTAL UNITS 36

Flight training is the sole responsibility of each student and is contracted with an F.A.A. approved flight school at the student's own expense. The Palomar Community College District accepts no responsibility or liability for the student's flight training program.

Aircraft Commercial Pilot

Prepares students for employment as commercial pilots in air taxi and other field related flying operations. Transfers to some four year programs in this field.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements	Units
AVIA 75 Private Pilot Certification	2
AVIA 80 Instrument Rating Certification	2
AVIA 85 Commercial Pilot Certification	3
AVIA 100 Introduction to Aviation Sciences	3
AVIA 105 Basic Pilot Ground School	3
AVIA 106 Commercial Pilot Ground School	3
AVIA 107 Instrument Pilot Ground School	3
AVIA 110 Basic Pilot Flight Procedures	2
AVIA 115 Air Traffic Control	3
AVIA 120 Aviation Weather	3
AVIA 125 Instrument Simulator Laboratory	1.5
AVIA 140 Aviation Math/ Modern Navigation	3
AVIA 205 Principles of Aerodynamics	3
AVIA 210 Aviation Safety and Accident Investigation	3
AVIA 215 Complex Aircraft Systems and Propulsion	3

TOTAL UNITS 40.5

Recommended Electives: AVIA 108, 145; BUS 205; GEOG 110

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