Professional Flight, B.S. Military Concentration (AFML) Major

School of Aeronautical Science - Department of Flight Science

Requirements List for 2012-2013

___ AERF 1111 Primary Flight 1 (Private Pilot Flight 1)
___ AERF 1112 LeTourneau Flight Operations
___ AERF 1113 Flight Science I (Private Ground School)
___ AERF 1121 Primary Flight 2 (Private Pilot Flight 2)
___ AERF 2103 Flight Science II (Instrument Ground School)
___ AERF 2311 Commercial Flight I (Tailwheel Operations)
___ AERF 3211 Upset Recovery Training
___ AERF 3412 Instrument Flight
___ AERO 2112 Aerodynamics For Pilots
___ AERO 2203 Meteorology for Pilots
___ AERO 2423 Aviation Human Factors (Spring only)
___ AERO 3213 Electronic Navigation And Flight Control Systems (Spring only)
___ AERO 3823 Aviation Management (Fall only)
___ AVTC 1001 Foundational Concepts Of Aviation Studies Lab (1)
___ AVTC 1003 Foundational Concepts Of Aviation Studies (1)
___ AVTC 1401 Aircraft DC Electricity Lab (1)
___ AVTC 1403 Aircraft DC Electricity (1)
___ AVTC 2231 Intro. To Aircraft Systems Lab
___ AVTC 2232 Intro. To Aircraft Systems
___ AVTC 2431 Powerplant Electrical Systems Lab
___ AVTC 2433 Powerplant Electrical Systems
___ AVTC 2441 Airframe Electrical Lab
___ AVTC 2443 Airframe Electrical
___ AVTC 2601 Intro. To Aircraft Reciprocating Engines Lab
___ AVTC 2603 Intro. To Aircraft Reciprocating Engines
___ AVTC 3211 Transport Category Aircraft Systems Lab
___ AVTC 3212 Transport Category Aircraft Systems
___ AVTC 3612 Intro. To Aircraft Gas Turbine Engines

___ BIBL 1033 Biblical Literature
___ BIBL 1043 Biblical Foundations For Living
___ BIBL Jr.-Sr. Level Elective (3 hours)
___ BIBL Jr.-Sr. Level Elective (3 hours)
___ COMM 1113 Intro. To Speech Communication
___ ENGL 1013 English Composition I
___ ENGL 1023 English Composition II
___ ENGL Literature Elective (3 hours)
___ HIST 3213 Leadership In History (Fall, Even years only)
___ HIST 4313 Modern Global History (Spring only)
___ KINE Physical Activities (1 hour)
___ KINE 1512 Concepts Of Lifetime Fitness
___ LETU 1101 Cornerstones Of Life And Learning
___ MATH 1203 College Algebra With Applications
___ MATH 1252 Trigonometry
___ MATH 1423 Elementary Statistics
___ PHIL 2063 Ethics
___ PHYS 1111 General Physics I Lab (Spring only)
___ PHYS 1113 General Physics I (Spring only)
___ POLS 3203 Intro. To Political Science (Spring only)
___ PSYC 2013 Intro. To Psychology
___ Lab Science Elective (4 hours) (2)
___ General Elective (3 hours)
___ General Elective (2 hours)
___ General Elective (3 hours)
___ General Elective (3 hours)
___ Fulfill English Proficiency Requirement (0 hours)

Total hours: 126

Notes:
Note: Listed below are General Elective courses recommended by faculty for particular focus areas.
If you wish to focus on the Commercial Pilot Certificate:
AERF 2411 Commercial Flight II - Multi-engine Operations
AERF 3103 Flight Science III (Commercial Ground School)
AERF 3512 Commercial Flight III - Air Transport Emphasis

If you wish to focus on Management:
ACCT 2103 Accounting Principles I
ECON 2103 Macroeconomics (Fall)
ECON 2203 Microeconomics (Spring)
FINC 3113 Financial Management (Spring)

If you wish to focus on International Studies:
HIST 3103 Twentieth Century Russia
HIST 3603 History of the Modern Middle East
HIST 4813 The Cold War

1: These courses require a minimum grade of C and are prerequisite to all other AVTC courses.
2: BIOL 1014 Life Science, GEOL 1114 General Geology I and PHYS 1014 Physical Science are not allowed for this lab science elective.