Aeronautical Science, B.S. (AFFS) 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 2411 Commercial Flight II - Multi-Engine Operations
___ AERF 3103 Flight Science III (Commercial Ground School)
___ AERF 3412 Instrument Flight
___ AERF 3512 Commercial Flight III - Air Transport Emphasis (1)
___ AERO 2112 Aerodynamics For Pilots
___ AERO 2203 Meteorology for Pilots
___ AVTC 1001 Foundational Concepts Of Aviation Studies Lab (2)
___ AVTC 1003 Foundational Concepts Of Aviation Studies (2)
___ AVTC 1401 Aircraft DC Electricity Lab (2)
___ AVTC 1403 Aircraft DC Electricity (2)
___ AVTC 2211 Aircraft Metal Structures Lab
___ AVTC 2213 Aircraft Metal Structures
___ 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 3261 Aircraft Composites Lab (Fall only)
___ AVTC 3262 Aircraft Composites (Fall only)
___ AVTC 3461 Aircraft Instrumentation Systems Lab (Fall only)
___ AVTC 3462 Aircraft Instrumentation Systems (Fall only)
___ AVTC 3612 Intro. To Aircraft Gas Turbine Engines
___ AVTC 3631 Advanced Aircraft Reciprocating Engines Lab (Spring only)
___ AVTC 3632 Advanced Aircraft Reciprocating Engines (Spring only)
___ AVTC 3641 Carburetion And Fuel Systems Lab (Spring only)
___ AVTC 3642 Carburetion And Fuel Systems (Spring only)
___ AVTC 3661 Propellers Lab (Spring only)
___ AVTC 3662 Propellers (Spring only)
___ AVTC 4021 Aircraft Inspections Lab (Fall only)
___ AVTC 4022 Aircraft Inspections (Fall only)
___ AVTC 4281 Assembly And Rigging Lab (Summer only)
___ AVTC 4282 Assembly And Rigging (Summer only)
___ AVTC 4401 Avionics Lab (Spring only)
___ AVTC 4403 Avionics (Spring only)
___ AVTC 4601 Advanced Aircraft Gas Turbine Engines Lab (Fall only)
___ AVTC 4603 Advanced Aircraft Gas Turbine Engines (Fall only)
___ AVTC 4681 Powerplant Systems Troubleshooting Lab (Summer only)
___ AVTC 4682 Powerplant Systems Troubleshooting (Summer only)
___ BIBL 1033 Biblical Literature
___ BIBL 1043 Biblical Foundations For Living
___ BIBL Jr.-Sr. Level Elective (3 hours)
___ BIBL Jr.-Sr. Level Elective (3 hours)
___ CHEM 1111 General Chemistry I Lab
___ CHEM 1113 General Chemistry I
___ COMM 1113 Intro. To Speech Communication
___ DSTC 1203 Computer Aided Drafting And Design
___ ENGL 1013 English Composition I
___ ENGL 1023 English Composition II
___ ENGL Literature Elective (3 hours)
___ ENGR 1311 Manufacturing Processes Lab
___ HIST History Elective (3 hours)
___ 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 1503 Calculus With Business Applications (Spring only) (3)
___ PHYS 1111 General Physics I Lab (Spring only)
___ PHYS 1113 General Physics I (Spring only)

Total hours: 139

Notes:
Summer flight after freshman year can reduce the normal semester load and make room for flight electives.

1: AERF 3522 Commercial Flight III - Missions Emphasis may be substituted for AERF 3512.
2: These courses require a minimum grade of C and are prerequisite to all other AVTC courses.
3: MATH 1603 Technical Calculus OR MATH 1903 Calculus I will also satisfy this math requirement.