

Aircraft Systems, B.S. Electrical Technology Concentration (AAET) Major

Aeronautical Science - Department of Applied Aviation Sciences

Requirements List for 2013-2014

___ AERF 1113 Flight Science I (Private Ground School)	___ AVTC 4603 Advanced Aircraft Gas Turbine Engines (Fall only)
___ AVTC 1001 Foundational Concepts Of Aviation Studies Lab (1)	___ AVTC 4681 Powerplant Systems Troubleshooting Lab (Summer only)
___ AVTC 1003 Foundational Concepts Of Aviation Studies (1)	___ AVTC 4682 Powerplant Systems Troubleshooting (Summer only)
___ AVTC 1401 Aircraft DC Electricity Lab (1)	___ BIBL 1033 Biblical Literature
___ AVTC 1403 Aircraft DC Electricity (1)	___ BIBL 1043 Biblical Foundations For Living
___ AVTC 2211 Aircraft Metal Structures Lab	___ BIBL Jr.-Sr. Level Elective (3 hours)
___ AVTC 2213 Aircraft Metal Structures	___ BIBL Jr.-Sr. Level Elective (3 hours)
___ AVTC 2231 Intro. To Aircraft Systems Lab	___ CHEM 1111 General Chemistry I Lab
___ AVTC 2232 Intro. To Aircraft Systems	___ CHEM 1113 General Chemistry I
___ AVTC 2431 Powerplant Electrical Systems Lab	___ COMM 1113 Intro. To Speech Communication
___ AVTC 2433 Powerplant Electrical Systems	___ DSTC 1203 Computer Aided Drafting And Design
___ AVTC 2441 Airframe Electrical	___ EETC 1041 AC Electricity Lab (Fall only)
___ AVTC 2443 Airframe Electrical	___ EETC 1042 AC Electricity (Fall only)
___ AVTC 2601 Intro. To Aircraft Reciprocating Engines Lab	___ EETC 2313 Electronics I (Spring only)
___ AVTC 2603 Intro. To Aircraft Reciprocating Engines	___ EETC 2324 Electronics II (Fall only)
___ AVTC 3211 Transport Category Aircraft Systems Lab	___ EETC 3213 Digital Electronics (Spring only)
___ AVTC 3212 Transport Category Aircraft Systems	___ EETC 4213 Intro. To Microcontrollers (Fall only)
___ AVTC 3261 Aircraft Composites Lab (Fall only)	___ EETC 4523 Electronic Communications and Processes (Spring only)
___ AVTC 3262 Aircraft Composites (Fall only)	___ ENGL 1013 English Composition I
___ AVTC 3461 Aircraft Instrumentation Systems Lab (Fall only)	___ ENGL 1023 English Composition II
___ AVTC 3462 Aircraft Instrumentation Systems (Fall only)	___ ENGL Literature Elective (3 hours)
___ AVTC 3612 Intro. To Aircraft Gas Turbine Engines	___ ENGR 1311 Manufacturing Processes Lab
___ AVTC 3631 Advanced Aircraft Reciprocating Engines Lab (Spring only)	___ HIST History Elective (3 hours)
	___ KINE Physical Activities (1 hour)
___ AVTC 3632 Advanced Aircraft Reciprocating Engines (Spring only)	___ KINE 1512 Concepts Of Lifetime Fitness
___ AVTC 3641 Carburetion And Fuel Systems Lab (Spring only)	___ LETU 1101 Cornerstones Of Life And Learning
___ AVTC 3642 Carburetion And Fuel Systems (Spring only)	___ MATH 1203 College Algebra With Applications
___ AVTC 3661 Propellers Lab (Spring only)	___ MATH 1252 Trigonometry
___ AVTC 3662 Propellers (Spring only)	___ MATH 1603 Technical Calculus I (Fall only)
___ AVTC 4021 Aircraft Inspections Lab (Fall only)	___ MATH 1613 Technical Calculus II (Spring only)
___ AVTC 4022 Aircraft Inspections (Fall only)	___ PHYS 1111 General Physics I Lab (Spring only)
___ AVTC 4281 Assembly And Rigging Lab (Summer only)	___ PHYS 1113 General Physics I (Spring only)
___ AVTC 4282 Assembly And Rigging (Summer only)	___ Fulfill English Proficiency Requirement (0 hours)
___ AVTC 4401 Avionics Lab (Spring only)	
___ AVTC 4403 Avionics (Spring only)	
___ AVTC 4601 Advanced Aircraft Gas Turbine Engines Lab (Fall only)	

Total hours: 140

Notes:

1: These courses require a minimum grade of C and are prerequisite to all other AVTC courses.