



LETOURNEAU
UNIVERSITY

2015-2016 SUGGESTED COURSE SEQUENCE

Bachelor of Science Degree -- Remotely Piloted Aircraft Systems, Technician Concentration (ARVT)

Minimum Credit Hours: 132

Name: _____

| 1st Semester - Fall 2015 | | HRS |
|--------------------------|---------------------------------|-----------|
| ___ AVTC1401 | Aircraft DC Electricity Lab (1) | 1 |
| ___ AVTC1403 | Aircraft DC Electricity (1) | 3 |
| ___ BIBL1033 | Biblical Literature | 3 |
| ___ ENGL1013 | English Comp I | 3 |
| ___ KINE1512 | Concepts of Lifetime Fitness | 2 |
| ___ LETU1101 | Cornerstones for Living | 1 |
| ___ MATH1203 | College Algebra w/Apps | 3 |
| | | 16 |

| 2nd Semester - Spring 2016 | | HRS |
|----------------------------|---|-----------|
| ___ AERF1113 | Flight Science I (Private Ground School) | 3 |
| ___ AVTC1001 | Found. Concepts of Aviation Studies Lab (1) | 1 |
| ___ AVTC1003 | Found. Concepts of Aviation Studies (1) | 3 |
| ___ ARPA2013 | Introduction to Remotely Piloted Aircraft Systems | 3 |
| ___ ENGL1023 | English Comp II | 3 |
| ___ MATH1252 | Trigonometry | 2 |
| | | 15 |

| 3rd Semester - Fall 2016 | | HRS |
|--------------------------|---------------------------------------|-----------|
| ___ AVTC2431 | Powerplant Electrical Systems Lab | 1 |
| ___ AVTC2433 | Powerplant Electrical Systems | 3 |
| ___ AVTC2601 | Intro. to Aircraft Recip. Engines Lab | 1 |
| ___ AVTC2603 | Intro. to Aircraft Recip. Engines | 3 |
| ___ CHEM1111 | General Chemistry Lab I | 1 |
| ___ CHEM1113 | General Chemistry II | 3 |
| ___ DSTC1203 | Computer Aided Draft | 3 |
| ___ ENGR1311 | Manufacturing Processes Lab | 1 |
| | | 16 |

| 4th Semester - Spring 2017 | | HRS |
|----------------------------|--------------------------------------|-----------|
| ___ COMM1113 | Intro to Speech Comm | 3 |
| ___ AVTC2231 | Introduction to Aircraft Systems Lab | 1 |
| ___ AVTC2232 | Introduction to Aircraft Systems | 2 |
| ___ AVTC2441 | Airframe Electrical Lab | 1 |
| ___ AVTC2443 | Airframe Electrical | 3 |
| ___ PHYS1111 | General Physics Lab I (Spring) | 1 |
| ___ PHYS1113 | General Physics I (Spring) | 3 |
| ___ THEO1043 | Biblical Theology for Life | 3 |
| | | 17 |

| 5th Semester - Fall 2017 | | HRS |
|--------------------------|--|-----------|
| ___ ARPA2124 | Remotely Piloted Aircraft Operation | 4 |
| ___ AVTC3612 | Intro. to Aircraft Gas Turbine Engines | 2 |
| ___ AVTC3461 | Aircraft Inst. Systems Lab (Fall) | 1 |
| ___ AVTC3462 | Aircraft Inst. Systems (Fall) | 2 |
| ___ AVTC3261 | Aircraft Composites Lab (Fall) | 1 |
| ___ AVTC3262 | Aircraft Composites (Fall) | 2 |
| ___ BIBL3**3 | Bible Elective | 3 |
| | | 15 |

| 6th Semester - Spring 2018 | | HRS |
|----------------------------|--|-----------|
| ___ ARPA3124 | Remotely Piloted Aircraft Flight Control Systems | 4 |
| ___ AVTC3631 | Adv. Aircraft Recip. Engines Lab (Spring) | 1 |
| ___ AVTC3632 | Adv. Aircraft Recip. Engines (Spring) | 2 |
| ___ AVTC2211 | Aircraft Metal Structures Lab | 1 |
| ___ AVTC2213 | Aircraft Metal Structures | 3 |
| ___ AVTC3641 | Carburetion and Fuel Systems Lab (Spring) | 1 |
| ___ AVTC3642 | Carburetion and Fuel Systems (Spring) | 2 |
| ___ HIST2**3 | History Elective | 3 |
| | | 17 |

| Summer 2018 | | HRS |
|--------------|--|----------|
| ___ AVTC4281 | Assembly and Rigging Lab (Summer) | 1 |
| ___ AVTC4282 | Assembly and Rigging (Summer) | 2 |
| ___ AVTC4681 | Powerplant Syst. Trblshooting Lab (Summer) | 1 |
| ___ AVTC4682 | Powerplant Syst. Trblshooting (Summer) | 2 |
| | | 6 |

| 7th Semester - Fall 2018 | | HRS |
|--------------------------|---|-----------|
| ___ AERO3153 | Aviation Safety Factors (4) | 3 |
| ___ AVTC4021 | Aircraft Inspections Lab (Fall) | 1 |
| ___ AVTC4022 | Aircraft Inspections (Fall) | 2 |
| ___ AVTC4601 | Adv. Aircraft Gas Turbine Eng. Lab (Fall) | 1 |
| ___ AVTC4603 | Adv. Aircraft Gas Turbine Eng. (Fall) | 3 |
| ___ BIBL3**3 | Bible Elective | 3 |
| ___ KINE***1 | Activity Elective | 1 |
| | | 14 |

| 8th Semester - Spring 2019 | | HRS |
|----------------------------|---|-----------|
| ___ AERO4823 | Aviation Management Capstone (4) | 3 |
| ___ AVTC3211 | Transport Category Aircraft Systems Lab | 1 |
| ___ AVTC3212 | Transport Category Aircraft Systems | 2 |
| ___ AVTC3661 | Propellers Lab (Spring) | 1 |
| ___ AVTC3662 | Propellers (Spring) | 2 |
| ___ AVTC4403 | Avionics (Spring) | 3 |
| ___ AVTC4401 | Avionics Lab (Spring) | 1 |
| ___ ENGL2**3 | Literature Elective | 3 |
| | | 16 |

Notes:

- 1: These courses require a minimum grade of C and are prerequisite to all other AVTC courses.
- 2: MATH 1603 (Technical Calculus 1) OR MATH 1903 (Calculus I) will also satisfy this math requirement.
- 7: Class is offered online only.