

**AVIATION STUDIES PROGRAM  
FLIGHT TECHNOLOGY AND OPERATIONS & AVIATION MANAGEMENT AND OPERATIONS**

| 2012-2013   |           | <u>Av Management &amp; Operations Specialization Continued</u>  |              | B.S. In Technology  |            |
|---|-----------|---|--------------|---|------------|
| <u>Courses Required For Major</u>                             |           | QS 3600 Six Sigma Syst or QS 3550 Found of  | 3            | BG Perspective Core Courses*  | 24 Hrs.    |
| Cooperative Education   | 8-12 hrs  | TLEP 1900 Leadership or 2100 Rec Concepts   | 3            | Natural Sciences #  | 3          |
| TECH 2890   | 4         | TLEP 2150 Intro to Tourism & Event Planning   | 3            |   | 3          |
| TECH 3890 or TECH 4950  | 4         | <u>Other Required Courses</u>   |              |   | 3          |
| TECH 4890 (optional) ***                                      | 4         | University  | 28-30 hrs    |   |            |
| Professional Core   | 25        | <b>GSW 1120 Varieties of Writing</b>  | 3            | Humanities & Arts #   |            |
| <b>AERT 2200 Private Pilot Ground</b>                         | <b>4</b>  | <b>BA 2030 Business Comm OR</b>   | <b>3</b>     |   | 3          |
| <b>AERT 2240 ATC amd NAS</b>                                  | <b>3</b>  | <b>BA 2040 Intro to Entrpreneurship</b>   |              |   | 3          |
| AERT 3000 Air Trnsportation                                   | 3         | <b>MATH 1280 or 1300 Precalc</b>  | 3-5          |   |            |
| AERT 3490 Aviation Law  | 3         | STAT 2000 Statistics  | 3            | Social & Behavioral Sciences #  |            |
| AERT 3540 Aviation Management                                 | 3         | COMM 1020 Speech Comm   | 3            |   | 3          |
| AERT 4600 Safety Mgmt Systems                                 | 3         | COMM 2010 Com Theory or 2100 Intl Com   | 3            |   | 3          |
| AERT 4680 Business Aviation                                   | 3         | MIS 2000 Mgmt Info Sys or CS 1000   | 3            |   |            |
| QS 3700 Quality Change Systems                                | 3         | SOC 1010 Principles of Sociology**  | 3            | Cultural Diversity in U.S. #  |            |
| <i>Select only one Specialization</i>                         |           | PSYC 1010 General Psychology**  | 4            |   | 3          |
| <b><u>Flight Technology and Operations Specialization</u></b> | <b>36</b> | Upon Advisement   |              |   |            |
| <b>AERT 2220 Private Pilot Flight Instruction I</b>           | <b>2</b>  | <u>Supplemental Focus</u>   | <b>6 hrs</b> | Core Elective #   |            |
| <b>AERT 2230 Private Pilot Flight Instruction II</b>          | <b>2</b>  | AERT 2000-4999  | 1-3          |   | 3          |
| AERT 2800 Instrument Ground School                            | 3         | AERO 3120, 4110, 4120   | 3-6          |   |            |
| AERT 2810 Basic Instrument Flight Instruction                 | 3         | ACCT 2000-3990 or ACT 2000-3990   | 3-6          | * One course must have an international perspective.  |            |
| AERT 2820 Advanced Instrucment Flight Instruction             | 3         | BA 3XXX   | 1-6          | # See the Undergraduate Catalog for eligible courses at www.bgsu.edu/catalog  |            |
| AERT 3200 Commercial Ground School                            | 3         | ENVH 3000-4900  | 3-6          | ** These courses may be used to meet the BG Perspective courses requirement.  |            |
| AERT 3220 Basic Commercial Flight Instruction                 | 1         | ENVR 4210   | 3-6          | <u>Summary</u>  |            |
| AERT 3230 Advanced Commercial Flight Inst.                    | 2         | ENVS 4020, 4200, 4260   | 3-6          | Major FTO   | 69         |
| AERT 3060 Multiengine Ground School                           | 1         | FIN 2000-3990   | 3-6          | Major AOS   | 69         |
| AERT 3300 Digital Cockpit Instrmentation                      | 2         | GEOG 1250 ** _____, 3030 _____.   | 3-6          | Other required courses  | 43-45 Hrs. |
| AERT 4040 Adv Aerodynamics & Aircraft Perform.                | 3         | COMM 2000-4990  | 3-6          | BG Perspective Core   | 24 Hrs.    |
| AERT 4050 Advanced Aircraft Systems                           | 3         | LEGS 3000-4990  | 3-6          | Total Minimum Program Hours   | 122 Hrs.   |
| GEOG 2130 Meteorology   | 3         | MKT 3000-4990   | 3-6          |   |            |
| PHYS 2010 College Physics                                     | 5         | MGMT 3000-4990  | 3-6          |   |            |
| <b><u>Av Management &amp; Operations Specialization</u></b>   | <b>36</b> | MSL 3020 , 4010, 4020   | 3            |   |            |
| ACCT 2000 or 2210 Accounting Concepts                         | 3         | PSYC 3110 _____, 3500 _____.  | 3-6          | For TECH Electives, choose at least two courses 3000 level and above.   |            |
| CONS 2350 Intro to Construction                               | 3         | TLEP 2000-4990  | 3-6          | Matriculation courses are in <b>BOLD Print</b>  |            |
| CONS 2390 Construction Document Reading                       | 3         | <u>Technical Electives (by advisement)</u>  | <b>9 hrs</b> | ~ All Aviation courses must be completed with a C or higher.  |            |
| ECON 2000 ** or 2020 ** Economics                             | 3         | ELECTIVE @  | 3            | Supplemental focus courses and technology electives are in addition tot hose specifically listed on the sheet.        |            |
| ENGT 1100 Basic CAD   | 3         | ELECTIVE @  | 3            | When students use courses to fulfill more than one requirement the total minimum program hours of 122 may not be met. |            |
| ENVS 1010 ** Intro to Environmental Studies                   | 3         | ELECTIVE @  | 3            |   |            |
| MGMT 3050 Prin of Organization and Management                 | 3         |   |              |   |            |
| MGMT 3610 Human Resource Management                           | 3         | @ - AERT 2000-4990: ARCH 2360, 2710, 3360, 3370; CONS 3000-4990; ECT 1910-4990; ENGT 2000-4990, QS 3000-4990; TECH 3020**, 3030, 4150, 4280, 4380; TECH 4800, 4890; TE 2520 |              | *** A third co-op, TECH 4890, can be taken to fulfill a Technical Elective requirement                                |            |
| MKT 3000 Marketing  | 3         |   |              |   |            |