

## BS Aviation Operations: 73 credits in Major

### Suggested Plan of Study

Aviation Department, Dr. Steve Anderson, Chair

**Program advisors** Dr. Robert Aceves, Mr. Michael Ferguson, Dr. Tara Harl, Dr. Jeff Johnson, Ms. Angie Olson

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First Semester	Second Semester
4/3 ENGL 191 or CMST 192 <sup>1</sup> 3 AVIT 101 Aeronautics I 3 AVIT 103 Air Transportation 3 MATH 112 <sup>2</sup> College Algebra 3 Gen Ed RIS <sup>3</sup> Area C <b>Semester Credits = 15-16</b>	4/3 ENGL 191 or CMST 192 <sup>1</sup> 3 MATH 113 <sup>2</sup> Trigonometry 3 EAS 104 Intro to Atmosphere 3 General Ed <sup>4</sup> Choose A – B - C 3 Gen Ed 194 or 195 <sup>2</sup> 1 PESS 122 Lifelong Health & Fitness <b>Semester Credits = 16-17</b>
Third Semester	Fourth Semester
3 AVIT 203 IFR Ground School or 3 AVIT 345 Intro to Occupational Safety 3 AVIT 315 Intro to Air Traffic Control 6 General Ed <sup>4</sup> A - B – C 3 Gen Ed 194 or 195 <sup>2</sup> <b>Total Semester Credits = 15</b>	4 PHYS 231 Elements of Physics I 3 AVIT 307 Aviation Law 3 AVIT 325 Aviation Safety and Human Factors 3 General Ed <sup>4</sup> A - B – C 3 University or Major electives <b>Total Semester Credits = 16</b>
Fifth Semester	Sixth Semester
3 AVIT 317 Ethics in Aviation 3 MGMT 301 Intro to Management 3 General Ed <sup>4</sup> A - B – C 6 University or Major electives <b>Total Semester Credits = 15</b>	3 EAS 360 Aviation Meteorology 3 AVIT 415 Advanced ATC or 3 AVIT 379 Advance Aerodynamics 3 General Ed <sup>4</sup> A - B – C 6 University or Major electives <b>Total Semester Credits = 15</b>
Seventh Semester	Eighth Semester
3 AVIT 409 OR 411 or 413 or 429 Choose 1 3 CMST 341 Workplace Communications 3 MGMT 365 Organizational Behavior 6 University or Major electives <b>Total Semester Credits = 15</b>	3 AVIT 419 or 444 <sup>5</sup> 3 AVIT 423 Air Carrier Operations 9 University or Major electives <b>Total Semester Credits = 15</b>

### Notes:

1. Where a choice is indicated the student should select one and then complete the other listed one the next semester.
2. Students must take the MATH placement test prior to their first semester at SCSU and then pass the appropriate sequence of Math courses in the first two years of attendance at SCSU; students who need to take Math 070 and/or 072 may delay MATH 112 and 113 until their second year. Math 112 and 113 must be completed with a grade of "C-" or better. Students who have a high enough placement score to bypass College Algebra may take only MATH 113 or higher. Do not take MATH/STAT193.
3. Racial Issues course (3 credits) must be completed no later than end of first year in attendance. Take 2 other (6 credits) Diversity courses for a total of three (9 credits) over your coursework.
4. Take a balance of aviation, general education and other courses over a particular semester. Ensure you take at least two classes from the left side of each General Education area A-B-C.
5. Needs to relate to aviation focus area as such you must have completed substantial coursework in your area of study.
6. Students desiring to major in Aviation must complete AVIT 101, 103, ENGL 191, CMST 192 and MATH 112, 113 with a grade of "C" or better no-later-than their first two years at SCSU; transfer students during their first year at SCSU. Students must declare the aviation major no later than the start of their Junior year (61 credits); transfer students at the end of their first year at SCSU. Students must complete course prerequisites before attempting the next course. Overrides into courses that students have not completed the prerequisite courses will not be allowed. Students must complete credit-by-exams prior to the end of their second semester at SCSU otherwise they must take the course in a regular class session. Classes (100/200 level) taken at two-year institutions which are offered at the 300/400 level at SCSU may be accepted, but will not count as upper division course work to meet the SCSU 45 credits requirement. No course substitutions are allowed if a student changes from one Aviation emphasis to another. On-campus SCSU students who desire to take on-line Aviation courses must get their adviser and department chair's written approval; students should be aware their expectations might not be matched with the actual experience. Students must meet with their adviser in the first semester to discuss the department's computer literacy policy; a signed copy of the document must be presented to their adviser for file at the time they apply for the Aviation major. AVIT 419 satisfies the Upper Division writing requirement.