

**SCHENECTADY COUNTY COMMUNITY COLLEGE**  
CURRICULUM WORKSHEET for AA and AS Programs

PROGRAM: AVIATION SCIENCE (A.S.) (Pilot Option)

HEGIS # 5302

SCCC Program Code #98

PROGRAM REQUIREMENTS	CR	SUNY GEN ED CATEGORY*	SATISFIES LIBERAL ARTS AND SCIENCES (YES)**
AER 120 Solo Operations	2		
AER 125 Solo Flight Lab	0.335		
AER 130 Navigation Operations	2		
AER 135 Navigation Flight Lab	0.665		
AER 140 Elements of Instrument Flight	4		
AER 141 Elements of Instrument Flight Laboratory	1		
AER 200 Commercial Operations	3		
AER 210 Aviation Law	3		
AER 228 Commercial Operations Lab I	1		
AER 229 Commercial Operations Lab II	1		
AER 236 Flight Safety	3		
AER Elective (a)	3		
ENG 123 College Composition	3	Communication: Written and Oral; Critical thinking and	YES
ENG 124 Literature and Writing	3	Humanities; Information Literacy	YES
ETH 221 Professional and Applied Ethics	1		
FYS 100 First Year Seminar	1		
PHY 106 Meteorology	3	Natural Sciences and Scientific Reasoning	YES
PHY 153 General Physics I	4	Natural Sciences and Scientific Reasoning	YES
PHY 154 General Physics II	4	Natural Sciences and Scientific Reasoning	YES
Mathematics Restricted SUNY General Elective(b)	3-4	Mathematics and Quantitative Reasoning	YES
MAT 167 Precalculus with Analytic Geometry or Higher	3-4	Mathematics and Quantitative Reasoning	YES
World Languages General Education Elective	3	World Languages	YES
U.S. History or World History SUNY General Education Elective	3	U.S. History and Civic Engagement OR World History and Global Awareness	YES
Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3	Diversity: Equity, Inclusion, and Social Justice	
Social Sciences or U.S. History SUNY General Education Elective	3	Social Sciences OR U.S. History and Civic Engagement	YES
<b>Minimum Credit Hours</b>	<b>61</b>	<b>**Total Gen. Ed. Knowledge and Skill Credits: 32-34</b>	<b>Total LAS Credits (at least 30): 32-34</b>
		<b>*Total Gen. Ed. Knowledge and Skill Areas: 8</b>	

\*At least 7 distinct knowledge and skill areas are required: Communication, DEISJ, Mathematics, Natural Sciences, and at least 3 more; also required are both core competencies of Critical Thinking and Information Literacy.

\*\*Must add up to at least 30 credits.

Additional Comments: Please refer to the footnotes on the reverse side.

**AVIATION SCIENCE (Pilot Option)  
ASSOCIATE IN SCIENCE**

**FIRST YEAR**

Fall Semester	CR	Spring Semester	CR
AER 120 Solo Operations	2	AER 200 Commercial Operations	3
AER 125 Solo Flight Lab	0.335	AER 228 Commercial Operations Lab I	1
AER 130 Navigation Operations	2	ETH 221 Professional and Applied Ethics	1
AER 135 Navigation Flight Lab	0.665	ENG 124 Literature and Writing	3
PHY 106 Meteorology	3	MAT 167 Precalculus with Analytic Geometry OR Higher	3-4
ENG 123 College Composition	3	Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3
FYS 100 First Year Seminar	1		<u>14-15</u>
Mathematics Restricted SUNY General Education Elective	3-4		
	<u>15-16</u>		

**SECOND YEAR**

Fall Semester	CR	Spring Semester	CR
AER 140 Elements of Instrument	4	AER 210 Aviation Law	3
AER 141 Elements of Instrument Flight Lab	1	AER 229 Commercial Operations Lab II	1
AER 236 Flight Safety	3	PHY 154 General Physics II	4
PHY 153 General Physics I	4	Aviation Elective (a)	3
World Languages OR The Arts SUNY General Education Elective	3	U.S. History OR World History SUNY General Education Elective	3
	<u>15</u>	Social Sciences OR U.S. History SUNY General Education Elective	3
			17

Minimum Credit Hours required for degree: 61

**Advisement Notes:**

- (a) Aviation Electives: AER 102, AER 150, AER 232, AER/ATC 280 (with permission of instructor).
- (b) Mathematics Restricted SUNY General Education Electives: MAT 167 and 154 (if needed for MAT 167) or MAT 147; or MAT 167 or higher; PSY 200 does not satisfy the MAT Gen Ed for this program.