

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 Reasoning	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 OR The Arts SUNY General Education Elective	3	World Languages OR The Arts	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
CIV 100 Foundations of Freedom	3	Diversity: Equity, Inclusion, and Social Justice; Civic Discourse	Yes
Social Sciences or U.S. History SUNY General Education Elective	3	Social Sciences OR U.S. History and Civic Engagement	YES
Minimum Credit Hours	61	**Total Gen. Ed. Knowledge and Skill Credits: 32-34	Total LAS Credits (at least 30): 35-37
		*Total Gen. Ed. Knowledge and Skill Areas: 8	

*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 140 Elements of Instrument	4
AER 125 Solo Flight Lab	0.335	AER 141 Elements of Instrument Flight Lab	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		15-16
Mathematics Restricted SUNY General Education Elective	3-4		
	15-16		

SECOND YEAR

Fall Semester	CR	Spring Semester	CR
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	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
	14	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 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.