

SUNY SCHENECTADY
CURRICULUM WORKSHEET

PROGRAM: **AIR TRAFFIC CONTROL (A.A.S.)**

HEGIS # 5302

SCCC Program Code # 86

PROGRAM REQUIREMENTS		CR	SUNY GEN ED CATEGORY	LIBERAL ARTS AND SCIENCES
AER 103	Introduction to Flight	4		
AER 140	Elements of Instrument	4		
AER 150	Aviation Mgt & Security	3		
AER 210	Aviation Law	3		
FYS 100	First Year Seminar	1		
AER 236	Flight Safety	3		
ATC 101 OR AER 101	Flight for Controllers Intro to Flight Lab (a)	1		
ATC 110	Air Traffic Basics	3		
ATC 141 OR AER 141	Instrument for Controllers Elements of Instrument Lab (b)	1		
ATC 200	Ground Control Operations	3		
DEI 100	Diversity: Equity, Inclusion and Social Justice SUNY General Education Elective	3	Diversity: Equity, Inclusion and Social Justice	
ATC 205	Ground Control Lab	2		
ATC 250	Local Control Operation	3		
ATC 255	Local Control Lab	2		
ENG 123	College Composition	3	Communication: Written and Oral; Critical Thinking and Reasoning; Information Literacy	YES
ETH 221	Professional & Applied Ethics	1		
MAT 123	Quantitative Reasoning	3	Mathematics and Quantitative Reasoning	YES
MAT 149	Finite Mathematics	3	Mathematics and Quantitative Reasoning	YES
PHY 106	Meteorology	3	Natural Sciences and Scientific Reasoning	YES
PSY 121	Introduction to Psychology	3	Social Sciences	YES
COM 105	Public Speaking	3	Communication: Written and Oral	YES
	Restricted Elective (c)	3		
	Restricted Humanities Elective (d)	3	U.S. History and Civic Engagement OR World History and Global Awareness OR World Languages	YES
	Minimum Credit Hours	61	Total Gen. Ed. Credits: 24	Total LAS Credits: 21
			Total Gen. Ed. Categories: 6	

Additional Comments: Please refer to footnotes on reverse side

**AIR TRAFFIC CONTROL
ASSOCIATE IN APPLIED SCIENCE**

FIRST YEAR

Fall Semester	CR	Spring Semester	CR
AER 103 Intro to Flight	4	PHY 106 Meteorology	3
ATC 101 Flight for Controllers OR AER 101 Intro to Flight Lab (a)	1	AER 140 Elements of Instrument	4
ATC 110 Air Traffic Basics	3	ATC 141 Instrument for Controllers OR AER 141 Elements of Instrument Lab (b)	1
ENG 123 College Composition	3	ATC 200 Ground Control Operation	3
FYS 100 First Year Seminar	1	ATC 205 Ground Control Lab	2
MAT 123 Quantitative Reasoning	3	DEI 100 Diversity: Equity, Inclusion and Social Justice SUNY Gen Ed Elective	3
TOTAL	15	TOTAL	16

SECOND YEAR

Fall Semester	CR	Spring Semester	CR
AER 150 Airport Mgt & Security	3	AER 210 Aviation Law	3
AER 236 Flight Safety	3	ETH 221 Professional & Applied Ethics	1
ATC 250 Local Control Operation	3	COM 105 Public Speaking	3
ATC 255 Local Control Lab	2	Restricted Elective (c)	3
PSY 121 Intro to Psychology	3	Restricted Humanities Elective(d)	3
MAT 149 Finite Math	3		
	17		13

Minimum Credit Hours required for degree: 61

Advisement Notes:

- (a) ATC 101/AER 101 Laboratory: Students have the option of completing either AER 101 Intro to Flight to achieve their private pilot's license or completing a minimum of ATC 101 Flight for Controllers at reduced flight time and experience. A private license is not a requirement for the program, but it is highly recommended.
- (b) ATC 141/AER 141 Laboratory: Students have the option of completing either AER 141 Elements of Instrument Lab to achieve their instrument rating, or completing a minimum of ATC 141 Instrument for Controllers at reduced flight time and experience. An instrument rating is not a requirement for the program, but is recommended.
- (c) Restricted Elective: Students may apply for ATC/AER 280 – Aviation Internship or choose an AER, CIS or MGT.
- (d) Students must choose a course from the SUNY Gen Ed List for U.S. History OR World History OR World Languages.