

**Lenoir Community College  
to  
Elizabeth City State University**

**Curriculum Guide – Major and Elective Requirements  
for**

**Aviation Science**

*Specialization/Concentration: Avionics Concentration*

**ASSOCIATE OF APPLIED SCIENCE DEGREE: Pilot (Unmanned), LCC**

**BACHELOR OF SCIENCE DEGREE: Aviation Science – Unmanned Aerial Systems (UAS), ECSU**

<b>ECSU Course</b>	<b>Title</b>	<b>Sem. Hrs.</b>	<b>Lenoir Equivalent Course</b>	<b>Sem. Hrs.</b>
<b>Major Core Requirements 37 Hrs.</b>				
AVI 100	Introduction to Aviation	3	AER 113 History of Aviation and AER 211 ATC	2 1
AVI 122	Orientation Seminar for Aviation Science	1		
AVI 220	Air Transportation	3	AER 217 Air Transportation	3
AVI 230	Aviation Management	3		
AVI 250	Basic Aerodynamics	3	AER 210 Flight Dynamics	3
AVI 260	Aviation Human Factors & Safety	3	AER 218 Human Factors in Aviation and AER 211 ATC	2 1
AVI 270	ATC and the NAS	3	AER 110 Air Navigation	3
AVI 314	Aviation Meteorology	3	AER 111 Aviation Meteorology	3
AVI 315	Aviation Legislation & Ethics	3	AER 112 Aviation Laws and FARs and AER 220 Airport Management	2 1
FLT 110	Private Pilot Ground	3	AER 150 Private Pilot Flight Theory	3
AVI 411	Transition to the Aviation Industry	3		
AVI 370	Aviation Research Methods and Stats	3		
AVI 460	Aviation Internship			
	<u>OR</u>	3		
AVI 465	Aviation Capstone			
<b>UAS Concentration 30 Hrs.</b>				
BUAD 115	Introduction to Business	3	BUS 110 Introduction to Business	3
MNGT 221	Principles of Management	3	BUS 137 Principles of Management	3
BUAD 190	Management Information Systems	3		
ACCT 210	Financial Accounting	3	ACC 120 Principles of Financial Accounting	3 of 4
ENGT 100	Introduction to Engineering	3	EGR 150 Intro to Engineering	2
UAS 100	Introduction to UAS	3	UAS 110 Intro to UAS Operations	3
UAS 200	UAS and the NAS: Laws & Regulations	3		
UAS 250	Operational Sensors and Payload	3		

UAS 350L	UAS App Lab I (Design)	3		
UAS 400L	UAS App Lab II (Pre-Ag/Surveying)	3		
<b>Electives (Technical Restrictive 6*) 18 Hrs.</b>				

General Education Core..... 35 Hrs.\*\*\*  
 Major Core Requirements..... 37 Hrs.  
 Avionics Concentration..... 30 Hrs.  
 Electives..... 18 Hrs.  
 Total Hours Required for Degree... 120 Hrs.

\*\*\*General Education Core: LenoirCC does not offer ENG 261 World Lit I. Course substitution of ENG 231 American Lit I or ENG 241 British Lit I can be accepted for credit.