41 Credits

3

3



AVIATION SCIENCE BACHELOR OF SCIENCE DEGREE PROGRAM

CURRICULUM GUIDE

I.

General Education Courses

170

212

ENGE

BUED

Cumi	culum Are	o I	9 Credits
ENGL		Fundamentals of Contemporary Speech	3
		ities Course as approved by the University	3
		ities Course as approved by the University	3
Aits a	na manan	thes Course as approved by the Oniversity	5
Curri	culum Are	ea II	6 Credits
		ciences course	3
(SOC	I 101, POL	I 200, ECON 201, ECON 202)	
Electi	ve Behavio	ral Sciences course	3
(PSYC	C 200, CRJ	S 101, SOCI 201)	
Curri	culum Are	ea III	7 Credits
Stude	nts must se	lect two science courses, one of which must include a laborate	<u>tory</u>
Curri	culum Are	ea IV	6 Credits
		ke 6 credits of math, with at least one course at or above the	
		nics and Aviation Software students are advised to take MAT	
		n Area IV requirements.	
1411111	Cullivarai	armour requirements.	
Curri	culum Are	ea V	9 Credits
ENGL	. 101	Basic Composition I	3
ENGL	102	Basic Composition II	3
ENGL	305	Technical Writing or	
ENGL	310	Advanced Composition	3
Curri	culum Are	ea VI	4 Credits
AVSC	NGL 305 Technical Writing or NGL 310 Advanced Composition Curriculum Area VI VSC 100 First Year Orientation with Aviation XSC 111 Personalized Health Fitness or		1
EXSC			
AVSC			3
Sunne	ort Requir	oments	6 Credits
		e one Supportive Math course and one Supportive Computing	
AVSC	390	Aviation Applications of Statistics and Research Design	or 3
BUAI		Calculus w/ Business & Management Applications or	<u>a</u> 3
MATI		Elementary Statistics	3
171/111	210	Elementary buttours	
AVSC	170	Software and Simulation Applications in Aviation or	3

Aviation Electronics and Aviation Software Students will take MATH 211 to fulfill Supportive Math Requirements.

Programming Concepts for Engineers or

Computer Concepts/Applications I

III.	Aviation Core Requirements					34 Credits		
	AVSC AVSC	112 Aviation Fundamentals 131 Air Transportation				3 3		
	AVSC	152 Meteorology & Environmental Issues				3		
	AVSC	201 The National Airspace Syst	3					
	AVSC	202 Air Traffic Control	3					
	AVSC	231 Airline Management I	3					
	AVSC	241 Aviation Safety				3		
	AVSC	305 Aviation Career Preparation				1		
	AVSC	331 Aviation Law				3		
	AVSC	421 Aviation Psychology	21 Aviation Psychology					
	AVSC	441 Human Factors in Aviation	1 Human Factors in Aviation					
	AVSC	490 Senior Capstone in Aviatio	n			3		
IV.	Concen	tration Requirements				33 Credits		
Profes	sional Pi	lot Concentration						
AVSC		Private Pilot Ground Lab	1	AVSC	253	Commercial Pilot Flight II	3	
AVSC		Private Flight I	1	AVSC	254	Commercial Pilot Flight III	2	
AVSC		Private Flight II	2	AVSC	302	Advanced Aircraft Systems	3	
AVSC		Instrument Rating Flight	3	AVSC	311	Aerodynamics and Aircraft Per.	3	
AVSC		Instrument Rating Ground	3	AVSC	342	Flight Physiology	3	
AVSC		Commercial Pilot Ground	3 2	AVSC	451	Certified Flight Inst. Airplane – Grnd.		
AVSC	252	Commercial Pilot Flight I	2	AVSC AVSC	452 472	Certified Flight Inst. Airplane – Flt. <u>or</u> Multi-Engine Pilot Flight	1	
		gement Concentration						
AVSC		Introduction to Aviation Business	3	AVSC	261	Aviation Organization and Leadership	3	
ACCT		Introductory Financial Accounting	3	AVSC	355	Airport Planning	3	
ACCT		Introductory Corp. & Mang. Acct.	3	AVSC	431	Maintenance Management	3	
ECON		Principles of Economics I	3	AVSC	432	Airline Management II	3	
ECON		Principles of Economics II	3	AVSC	442	Safety Management	3	
AVSC		Airport Management	3					
<u>Aviati</u> AVSC		onics Concentration Advanced Aircraft Systems	3	EDTE	240	Communication Electronics	3	
EDTE	105	Electrical Circuit Technology I	3	ETEE	303	Circuit Theory III	3	
EDTE	202	Electronics	3	ETEE	335	Logic and Switching	3	
EDTE	202	Electrical Circuit Technology II	3	ETEE	355	Advanced Electronics	3	
EDTE	210	Electronic Troubleshooting Lab	3	ETEE	425	Communication and Microwave Tech		
EDTE	215	Electronics II	3	2122				
Aviation	on Softwa	are Concentration						
CSDP	221	Intro to Computer Prog: Intensive	4	AVSC	380	Cooperative or Internship	1	
CSDP	222	Advanced Programming	4	CSDP	401	Operating Systems	3	
CSDP	250	Data Structures	3	AVSC	442	Safety Management	3	
CSDP	301	Computer Org. and Assembly Lang		CSDP	351	Computer Architecture or	3	
AVSC		Advanced Aircraft Systems	3	CSDP	404	Database Management Sys or	3	
CSDP	305	Software Engineering I	3	CSDP	405	Software Engineering II	3	
AVSC	311	Aerodynamics and Aircraft Per.	3					

Electives* 6 Credits

V.

Students will choose AVSC or other courses to complete at least 6 credits.
*Elective courses cannot be an AVSC course that is required elsewhere in the curriculum.