

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY & SANTA ROSA JUNIOR COLLEGE**B.S. IN AERONAUTICAL SCIENCE**

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY			SANTA ROSA JUNIOR COLLEGE
General Education (39 Credits)			
Communication Theory and Skills		CR	
COM 122	English Comp & Literature	3	ENG 1A Reading & Composition
COM 219	Speech	3	SPCH 1A Intro to Speech
COM 221	Technical Report Writing –or	3	ENGL 84A Technical Writing
COM 222	Business Communications –or		BMG 52 Written Communication in Organizations
COM 410	Advanced Professional Writing		**
Management Elective			
BA 201	Principles of Management	3	BMG 50 Introduction to Supervision & Management
Computer Science Elective			
CS 117	Computer Configurations –or	3	**
CS 118	Fundamentals of Computer Programming –or		CIS 17 JAVA Programming
IT 109	Intro to Computers & Applications		CIS 5 Computer Literacy
Social Science & Humanities			
Lower-Level:	HU 140 - 146	3	ART 2.1, 2.2, 2.3; ENGL 1B, 5; HUMAN 4.1, 4.2, 5, 6, 7; MUS 7.1, 7.2, 7.3
Lower-Level:	EC/RS/SS/STG 100-200 level	3	ECON 1A, 1B, 30; GEOG 3, 7; HIST 1.1, 1.2, 4.1, 4.2, 17.1, 17.2, 20; SOC 1
PSY 220	Intro to Psychology	3	PSYC 1A General Psychology
Upper-Level:	EC/HU/PSY/RS/SS/STG 300-400 level	3	COMM 7; ENGL 4A, 30.1, 30.2, 44.1, 44.2, 83; THAR 11; MEDIA 41, 42; PHIL 6, 7, 8; POLS 1; PSYCH 5, 30
Mathematics & Physical Science			
MA 111	College Math for Aviation I (Pre-Calc)	3	MATH 27 College Algebra & Trigonometry
MA 112	College Math for Aviation II (Calculus)	3	MATH 8A Brief Calculus I
PS 103	Technical Physics I w/ Lab	3	PHYS 2A & 3A General Physics I –and
PS 104	Technical Physics II w/ Lab	3	PHYS 2B & 3B General Physics II
Aeronautical Science Core (55 units)			
AS 132 / FA 132	Basic Aeronautics I (SEL)	3 +1	AERO 50 Airplane Pilot Basic Course
AS 133 / FA 133	Basic Aeronautics II (MEL)	3 +1	**
AS 232 / FA 232	Intermediate Aeronautics (IFR)	3 +1	AERO 51 Instrument Pilot Ground School
AS 272 / FA 272	Advanced Aeronautics (Commercial-Multi)	2 +1	AERO 52 Airplane Pilot Advanced Course
AS 309	Aerodynamics	3	**
AS 310	Aircraft Performance	3	**
AS 311	Aircraft Engines – Turbine	3	**
AS 340	Instructional Design in Aviation –or	3	**
FA 417	Flight Instructor Rating		**
AS 356	Systems & Components	3	**
AS 357	Flight Physiology	3	**
AS 358	Advanced Avionics	3	**
AS 386	Domestic & International Navigation	4	**
AS 387	Crew Resource Management	3	**
AS 408	Flight Safety	3	**
AS 420	Flight Technique Analysis	3	**
WX 201	Meteorology I	3	AERO 55 Aviation Weather (or METRO 10)
WX 352	Meteorology II	3	**

Total Transferable: 57