

November 18, 2004

**SANTA ROSA JUNIOR COLLEGE**  
**Santa Rosa, CA**  
**2004-2005CATALOG**

**SANTA ROSA  
JUNIOR COLLEGE**

**EMBRY-RIDDLE  
AERONAUTICAL UNIVERSITY**

**AERONAUTICS**

AERO 50 Airplane Pilot Basic Course 3

AS 120 Principles of Aeronautical  
Science 3

OR

AS 132 Basic Aeronautics I 3

AERO 51 Instrument/Pilot Ground School 3

AS 232 Intermediate Aeronautics 3

AERO 52 Airplane Pilot Advanced Course 3

AS 272 Advanced Aeronautics 3

AERO 55 Aviation Weather 3

WX 201 Meteorology I 3

**ART**

ART 2.1 Ancient to Renaissance Art History and  
Appreciation 3

OR

ART 2.2 Renaissance to Modern Art History and  
Appreciation 3

OR

ART 2.3 Modern Art History & Appreciation 3

HU 144 Studies in Art 3

**ASTRONOMY**

ASTRON 3 Stellar Astronomy 3

OR

ASTRON 4 Astronomy of the Solar System 3

PS 301 Astronomy 3

**BIOLOGY**

BIOL 10 Introduction to Principles of Biology 4

PS 107 Elements of Biological Science 3

**BOTANY**

BOTANY 10 Plant Biology 4

PS 111 Plant Biology 4

**BUSINESS ADMINISTRATION**

BAD 1 Financial Accounting 4

BA 210 Financial Accounting 3

BAD 2 Managerial Accounting 4

BA 312 Managerial Accounting 3

BAD 10 American Business in Its Global Context 3

BA 105 American Business Enterprise 3

OR			
BAD 51 Business and Society	3		
BAD 55 Intermediate Accounting	3	BA 212 Advanced Financial Accounting	3
BAD 63 International Business	3	BA 335 International Business	3
<b>BUSINESS MANAGEMENT</b>			
BMG 50 Introduction to Supervision and Management	3	BA 201 Principles of Management	3
BMG 52 Written Communication in Organizations	3	COM 222 Business Communication	3
BMG 62 Organizational Behavior	3	BA 317 Organizational Behavior	3
<b>BUSINESS MARKETING</b>			
BMK 50 Marketing	3	BA 311 Marketing	3
<b>BUSINESS OFFICE TECHNOLOGY</b>			
BOT 50A Computer Keyboarding	1.5	CS 101 Introduction to Keyboard Operations	1
BOT 73.13A Microsoft Excel - Core Level for the Office Professional	1.5	CS 111 Spreadsheet	1
BOT 73.15A Microsoft PowerPoint for the Office Professional	1.5	CS 114 Presentation Graphics	1
<b>CHEMISTRY</b>			
CHEM 1A General Chemistry	5	PS 105 General Chemistry I	4
OR			
CHEM 4A General Chemistry with Quantitative Analysis	5		
CHEM 1B General Chemistry	5	PS 106 General Chemistry II	4
OR			
CHEM 4B General Chemistry with Quantitative Analysis	5		
<b>COMMUNICATION STUDIES</b>			
COMM 7 Intercultural Communication	3	HU 420 Applied Cross Cultural Communication	3
<b>COMPUTER &amp; INFORMATION SCIENCES</b>			
CIS 5 Computer Literacy	3	IT 109 Introduction to Computers and Applications	3
CIS 10 Introduction to Computer Programming	4	CS 125 Computer Science I	4
OR			

CIS 20A C Programming	4		
CIS 10B Computer Science Fundamentals II	3	CS 225 Computer Science II	4
CIS 11 Data Structures and Algorithms	4	CS 315 Data Structures and Analysis of Algorithms	3
CIS 17 Java Programming	3	CS 118 Fundamentals of Computer Programming	3
CIS 20 C Programming: System Programming in Linux	3	CS 344 C Programming and UNIX	3
CIS 22 Assembly Language Programming	4	CS 235 Assembly Language Programming	3
CIS 58.51A Creating Web Pages 1 - HTML AND	1.5	IT 210 Web Page Authoring and Design	3
CIS 58.51B Creating Web Pages 2 - HTML	1.5		
CIS 66 Management Information Systems	3	BA 320 Business Information Systems	3
CIS 73.11 Computer Graphics Concepts	3	CS 335 Introduction to Computer Graphics	3
<b>ECONOMICS</b>			
ECON 1A Principles of Economics	3	EC 211 Macroeconomics	3
ECON 1B Principles of Economics	3	EC 210 Microeconomics	3
ECON 30 The Global Economy	3	STG 205 Global Economics	3
<b>ENGINEERING</b>			
ENGR 16 Electric Circuits & Devices	4	EE 223 Linear Circuit Analysis I AND	3
		EE 224 Electrical Engineering Lab I	1
ENGR 25 Engineering Graphics and Design	3	EGR 120 Graphical Communications	2
ENGR 34 Statics	3	ES 201 Statics	3
ENGR 45 Properties of Materials	4	ES 307 Engineering Materials Science with Lab	3
<b>ENGLISH</b>			
ENGL 1A Reading & Composition	4	COM 122 English Composition and Literature	3
ENGL 1B Literature and Composition	3	HU 142 Studies in Literature	3
ENGL 4A Beginning Creative Writing	3	HU 355 Creative Writing	3
ENGL 5 Advanced Composition and Critical		HU 143 Studies in Rhetorical Theory	3

Thinking	3		
ENGL 30.1 American Literature: Pre-Colonial Period to the Civil War	3	OR	
ENGL 30.2 American Literature from 1865 to the Present	3		HU 310 American Literature 3
ENGL 44.1 European Literature from the Ancient through the Renaissance	3	OR	
ENGL 44.2 European Literature from 17 <sup>th</sup> C. to the Present	3		HU 300 World Literature 3
ENGL 83 Literature and Film: Transformations	3		HU 325 Exploring Film 3
ENGL 84A Technical Writing	4		COM 221 Technical Report Writing 3
<b>ENVIRONMENTAL SCIENCE</b>			
ENVS 12 Population, Resources & Environment	3		PS 142 Introduction to Environmental Science 3
<b>FRENCH</b>			
FREN 1 Elementary French - Part I	4		HU 152 French I 3
FREN 2 Elementary French - Part II	4		HU 153 French II 3
<b>GEOGRAPHY</b>			
GEOG 3 Regional Geography of the World	3	OR	
GEOG 7 Cultural	3		SS 204 Introduction to Geography 3
<b>GERMAN</b>			
GERM 1 Elementary German - Part I	4		HU 154 German I 3
GERM 2 Elementary German - Part II	4		HU 155 German II 3
<b>HISTORY</b>			
HIST 1.1 World History to 1500	3	OR	
HIST 1.2 World History Since 1500	3	OR	
HIST 4.1 History of Western Civilization to 1648	3	OR	
HIST 4.2 History of Western Civilization from 1648	3		
HIST 17.1 History of the United States to 1877	3	OR	
HIST 17.2 History of the United States from 1877	3	OR	
			SS 120 American History 3

HIST 20 History of the U.S. Since 1945 3

**HUMAN RESOURCES**

HR 60 Human Resource Management 3

BA 314 Human Resource Management 3

**HUMANITIES**

HUMAN 4.1 Western Culture: Arts, Ideas, and Values 3

HU 410 Western Humanities I: Antiquity and the Middle Ages 3

HUMAN 4.2 Western Culture: Arts, Ideas, and Values 3

HU 141 Western Humanities II: Renaissance to Postmodern 3

HUMAN 5 World Humanities: Arts, Ideas, and Values 3

HU 145 Themes in the Humanities 3

OR

HUMAN 6 American Cultures 3

OR

HUMAN 7 Introduction to the Humanities 3

**JOURNALISM**

JOUR 1 Introduction to Journalism 3

COM 265 Introduction to News Writing 3

JOUR 2 News Gathering & News Writing 3

COM 351 Journalism 3

**MATHEMATICS**

MATH 1A Calculus, First Course 5

MA 241 Calculus and Analytic Geometry I 4

MATH 1B Calculus, Second Course 5

MA 242 Calculus and Analytic Geometry II 4

MATH 2A Calculus, Third Course 3

MA 243 Calculus and Analytic Geometry III 4

MATH 2B Calculus, Fourth Course - Differential Equations 3

MA 345 Differential Equations and Matrix Methods 4

MATH 4 Discrete Mathematics 4

CS 222 Introduction to Discrete Structures 3

MATH 5 Linear Algebra 3

MA 432 Linear Algebra 3

MATH 8A Brief Calculus I 3

MA 112 College Math for Aviation II 3

OR

MA 220 Quantitative Methods II 3

MATH 15 Elementary Statistics with Computer 4

MA 211 Statistics with Aviation Applications 3

OR

MA 222 Business Statistics 3

MATH 27 College Algebra and Trigonometry	5	MA 111 College Math for Aviation I OR MA 145 College Algebra and Trigonometry	3  5
MATH 36 FORTRAN Programming for Science	4	CS 210 Scientific Programming	3
<b>MEDIA STUDIES</b>			
MEDIA 4 Introduction to Mass Communication	3	COM 260 Introduction to Media	3
MEDIA 41 Introduction to Film History OR MEDIA 42 Introduction to Film Form	3  3	HU 325 Exploring Film	3
<b>METEOROLOGY</b>			
METRO 10 Introduction to Meteorology	3	WX 201 Meteorology I	3
<b>MUSIC</b>			
MUS 7.1 Introduction to Music Appreciation OR MUS 7.2 Introduction to Music Appreciation OR MUS 7.3 Introduction to Music Appreciation	3  3  3	HU 146 Music Appreciation and Criticism	3
<b>PHILOSOPHY</b>			
PHIL 6 Introduction to Philosophy	3	HU 341 World Philosophy	3
PHIL 7 Contemporary Moral Issues	3	HU 330 Values and Ethics	3
PHIL 8 Comparative Religion	3	HU 345 Comparative Religions	3
<b>PHYSICS</b>			
PHYS 2A General Physics Lecture AND PHYS 2B General Physics Lecture AND PHYS 3A General Physics Lab AND PHYS 3B General Physics Lab	3  3  1  1	PS 103 Technical Physics I AND PS 104 Technical Physics II	3  3
PHYS 4A Physics for Scientists & Engineers AND PHYS 4B Physics for Scientists & Engineers 3 AND PHYS 4C Physics for Scientists & Engineers	4  4  4	PS 150 Physics I for Engineers AND PS 160 Physics II for Engineers AND PS 250 Physics III for Engineers	3

		AND	
		PS 253 Physics Lab for Engineers	1
PHYS 4D Physics for Scientists & Engineers	2	PS 303 Modern Physics	3
PHYS 11 Descriptive Introduction	3	PS 102 Explorations in Physics	3
<b>POLITICAL SCIENCE</b>			
POLS 1 Introduction to United States Government	3	SS 320 American National Government	3
<b>PSYCHOLOGY</b>			
PSYCH 1A General Psychology	3	PSY 220 Introduction to Psychology	3
PSYCH 5 Abnormal Psychology	3	PSY 365 Abnormal Psychology	3
PSYCH 30 Social Psychology	3	PSY 352 Social Psychology	3
<b>SOCIOLOGY</b>			
SOC 1 Introduction to Sociology	3	SS 210 Introduction to Sociology	3
<b>SPANISH</b>			
SPAN 1 Elementary Spanish - Part I	4	HU 130 Elementary Spanish I	3
SPAN 2 Elementary Spanish - Part II	4	HU 135 Elementary Spanish II	3
<b>SPEECH</b>			
SPCH 1A Introduction to Speech	3	COM 219 Speech	3
<b>THEATRE ARTS</b>			
THAR 11 Rehearsal & Performance	3	HU 315 Drama Seminar	3