

Articulation Agreement by Department
Effective during the 13-14 Academic Year

To: **CSU East Bay**From: **Los Medanos College**

13-14 General Catalog

Quarter | 13-14 General Catalog

Semester

====Administration of Justice====

CRJA 2100	Elementary Criminal Law	(4)		ADJUS 120	Concepts of Criminal Law	(3)
CRJA 2200	Basic Criminal Investigation	(4)		ADJUS 140	Introduction to Criminal Investigation	(3)
CRJA 2400	Evidence in Corrections and Law Enforcement	(4)		ADJUS 124	Legal Aspects of Evidence	(3)
CRJA 2500	Administration of Justice	(4)		ADJUS 110	Introduction to Criminal Justice	(3)
CRJA 2600	Police Community Relations	(4)		ADJUS 160	Community and Justice System	(3)

END OF DEPARTMENT

====Anthropology====

ANTH 1000	Introduction to Anthropology	(4)		ANTHR 5	General Anthropology	(3)
ANTH 1300	Introduction to Cultural Anthropology	(4)		ANTHR 6	Cultural Anthropology	(3)

END OF DEPARTMENT

====Art====

ART 1020	The Creative Process	(4)		ART 10 & ART 11	Introduction to Two-Dimensional Design Introduction to Three-Dimensional Design	(3) (3)
ART 1112	Ceramics I	(4)		ART 66 <u>OR</u> ART 67	Introduction to Ceramics Intermediate Ceramics	(3) (3)
ART 1113	Drawing I	(4)		ART 20	Introduction to Drawing	(3)
ART 1114	Painting I	(4)		ART 40	Introduction to Painting	(3)

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To: CSU East Bay, From: Los Medanos College, 13-14

Art (continued)

ART 2630	Digital Photography I	(4)		ART 72	Introduction to Digital Photography	(3)
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END OF DEPARTMENT

====Biological Science====

BIOL 1000	Basic Concepts in Biology	(5)		BIOSC 10	General Biology	(4)
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OR

BIOL 1001 &	Introduction to Biology	(4)				
BIOL 1002	Introduction to Biology Lab	(1)				

BIOL 1000	Basic Concepts in Biology	(5)		BIOSC 10	General Biology	(4)
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BIOL 1001 &	Introduction to Biology	(4)		BIOSC 10	General Biology	(4)
BIOL 1002	Introduction to Biology Lab	(1)				

BIOL 1401 &	Molecular and Cellular Biology	(5)		BIOSC 20 &	Principles of Biology: Cellular Processes	(5)
BIOL 1402 &	Plant Biology	(5)		BIOSC 21	Principles of Biology: Organismal	(5)
BIOL 1403	Animal Biology	(5)				

BIOL 2010 &	Human Physiology and Anatomy I	(5)		BIOSC 40 &	Human Anatomy	(5)
	Same as: BIOL 2011					
BIOL 2020	Human Physiology and Anatomy II	(5)		BIOSC 45	Human Physiology	(5)
	Same as: BIOL 2021					

BIOL 2025	Introduction to Microbiology	(5)		BIOSC 50	Microbiology	(4)
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ENVT 2000	Introduction to Environmental Studies	(4)		BIOSC 7	Ecology and the Environment	(4)
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HSC 1100	Health: Maintenance of Wellness	(4)		BIOSC 5	Human Biology and Health	(3)
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END OF DEPARTMENT

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To: CSU East Bay, From: Los Medanos College, 13-14

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====Business====

ACCT 2251	Introduction to Financial Accounting	(4)	BUS 186	Financial Accounting	(4)
ACCT 2253	Introduction to Managerial Accounting	(4)	BUS 187	Managerial Accounting	(4)
ACCT 2701	Legal Environment of Business	(4)	BUS 294	Business Law	(3)

END OF DEPARTMENT

====Chemistry====

*Principles of General, Organic and Biochemistry			CHEM 7	Introduction to General, Organic & Biochemistry	(4)
CHEM 1100	Introduction to College Chemistry	(5)	CHEM 6	Introduction to Inorganic and Physical Chemistry	(4)
CHEM 1101	General Chemistry	(5)	CHEM 25	General College Chemistry	(5)
CHEM 1101 &	General Chemistry	(5)	CHEM 25 &	General College Chemistry	(5)
CHEM 1102	General Chemistry	(5)	CHEM 26	General College Chemistry	(5)
CHEM 1101 &	General Chemistry	(5)	CHEM 25 &	General College Chemistry	(5)
CHEM 1102 &	General Chemistry	(5)	CHEM 26	General College Chemistry	(5)
CHEM 1103	General Chemistry	(5)			
CHEM 1601 & Same as: CHEM 1605	Basic Chemistry for the Health Sciences	(4)	CHEM 6 &	Introduction to Inorganic and Physical Chemistry	(4)
CHEM 1602	Basic Chemistry for the Health Sciences	(4)	CHEM 8	Introductory Organic and Biological Chemistry	(4)

* This is a course substitution for this major only.

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Chemistry (continued)

CHEM 2301 &	Survey of Organic Chemistry	(4)		CHEM 28 &	Organic Chemistry	(5)
CHEM 2302	Survey of Organic Chemistry	(4)		CHEM 29	Organic Chemistry	(5)

END OF DEPARTMENT

====Computer Science====

CS 1020	Introduction to Computers	(4)		COMSC 40	Introduction to Computers	(4)
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CS 1160	Introduction to Computer Science I	(4)		COMSC 44	Introduction to C++ Programming Part I	(3)
				<u>OR</u>		
				ENGIN 20	Programming with C++ for Engineers and Scientists	(4)
				<u>OR</u>		
				COMSC 132	Programming and Methodologies II	(3)

CS 1160 &	Introduction to Computer Science I	(4)		COMSC 122 &	Programming and Methodologies I	(3)
CS 2360 &	Introduction to Computer Science II	(4)		COMSC 132	Programming and Methodologies II	(3)
CS 2370	Introduction to Computer Science III	(4)				

CS 2360	Introduction to Computer Science II	(4)		COMSC 48	Introduction to C++ Programming Part II	(3)
				<u>OR</u>		
				COMSC 132	Programming and Methodologies II	(3)

CS 2370	Introduction to Computer Science III	(4)		COMSC 124	Programming Design and Data Structures	(4)
				<u>OR</u>		
				COMSC 132	Programming and Methodologies II	(3)

CS 2430	Computer Organization and Assembly Language Programming	(4)		COMSC 125	Assembly Language Programming/Computer Organization	(4)
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To: CSU East Bay, From: Los Medanos College, 13-14

Computer Science (continued)

ITM 1270	Fundamentals of Information Systems and Applications	(4)		COMSC 40	Introduction to Computers	(4)
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END OF DEPARTMENT**====Economics====**

ECON 2301	Principles of Microeconomics	(4)		ECON 10	Principles of Microeconomics	(3)
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ECON 2302	Principles of Macroeconomics	(4)		ECON 11	Principles of Macroeconomics	(3)
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END OF DEPARTMENT**====Education====**

Introduction to Education*				EDUC 40	Teaching as a Profession	(3)
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*Note: Course or documented experience (30 hours) in a position as a teacher's aide, tutor, or volunteer in an elementary (K-6) school classroom with children of elementary school age.

END OF DEPARTMENT**====Engineering====**

CS 1160	Introduction to Computer Science I	(4)		COMSC 44	Introduction to C++ Programming Part I	(3)
				<u>OR</u>		
				ENGIN 20	Programming with C++ for Engineers and Scientists	(4)
				<u>OR</u>		
				COMSC 132	Programming and Methodologies II	(3)

ENGR 1011	Engineering: An Introduction	(3)		ENGIN 10	Introduction to Engineering	(3)
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ENGR 1420	Engineering Graphics	(2)		ENGIN 25	Engineering Graphics	(3)
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ENGR 2010	Electric Circuit Theory I	(3)		ENGIN 45	Engineering Circuit Analysis	(3)
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ENGR 2060	Materials Science	(4)		ENGIN 30	Materials Science	(4)
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Engineering (continued)

ENGR 2070	Fundamentals of Manufacturing	(4)	ENGIN 38	Manufacturing Processes	(3)
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END OF DEPARTMENT**====English====****Complete one additional elective course selected from the list above or the list below:**

ENGL 111	Creative Writing	(3)
ENGL 112	Intermediate Creative Writing	(3)

Second Composition Graduation Requirement: Although not articulated to CSU East Bay's English 1002, the following course(s) will also satisfy this graduation requirement.

Second English Composition Course	ENGL 230	Thinking and Writing Critically About Literature	(3)
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ENGL 1001	College Writing I	(4-8)	ENGL 100	College Composition	(3)
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ENGL 1002	College Writing II	(4)	ENGL 220	Critical Inquiry and Analysis	(3)
			OR		
			ENGL 221	Advanced Composition and Critical Thinking	(3)

ENGL 2070	Beginning Workshop in Fiction	(4)	ENGL 111	Creative Writing	(3)
			OR		
			ENGL 112	Intermediate Creative Writing	(3)

ENGL 2075	Beginning Workshop in Poetry	(4)	ENGL 111	Creative Writing	(3)
			OR		
			ENGL 112	Intermediate Creative Writing	(3)

END OF DEPARTMENT

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====French====

MLL 1101 &	Elementary French I	(4)		FRNCH 60 &	Elementary French I	(5)
MLL 1102 &	Elementary French II	(4)		FRNCH 61	Elementary French II	(5)
MLL 1103	Elementary French III	(4)				

END OF DEPARTMENT

====History====

HIST 1014 &	World Civilizations I	(4)		HIST 34 &	Western Inheritance in Global Perspective:	(3)
					Ancient World History	
HIST 1015 &	World Civilizations II	(4)		HIST 35	Western Inheritance in Global Perspective:	(3)
					Modern World History	
HIST 1016	World Civilizations III	(4)				

HIST 1101 &	History of the United States to 1877	(4)		HIST 29 &	The American World Until 1865: Creating a "New World" America	(3)
HIST 1102	History of the United States since 1877	(4)		HIST 30	The American World From 1865: Creating a Modern World Hegemony	(3)

END OF DEPARTMENT

====Journalism====

COMM 2200	Introduction to Journalistic Writing	(4)		JOURN 110	Writing for the Media	(3)
COMM 2300	21st Century Communication	(4)		JOURN 35	Mass Communication	(3)

END OF DEPARTMENT

====Mathematics====

MATH 1130	College Algebra	(4)		MATH 40	Precalculus	(4)
MATH 1300	Trigonometry and Analytic Geometry	(4)		MATH 40	Precalculus	(4)
MATH 1304	Calculus I	(4)		MATH 50	Calculus and Analytic Geometry I	(4)

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Mathematics (continued)

MATH 1304 &	Calculus I	(4)	MATH 50 &	Calculus and Analytic Geometry I	(4)
MATH 1305 &	Calculus II	(4)	MATH 60 &	Calculus and Analytic Geometry II	(4)
MATH 2304	Calculus III	(4)	MATH 70	Calculus and Analytic Geometry III	(4)

MATH 1304 &	Calculus I	(4)	MATH 50 &	Calculus and Analytic Geometry I	(4)
MATH 1305	Calculus II	(4)	MATH 60	Calculus and Analytic Geometry II	(4)

MATH 1304 &	Calculus I	(4)	MATH 50 &	Calculus and Analytic Geometry I	(4)
MATH 1305 &	Calculus II	(4)	MATH 60 &	Calculus and Analytic Geometry II	(4)
MATH 2304 &	Calculus III	(4)	MATH 70	Calculus and Analytic Geometry III	(4)
MATH 2305	Calculus IV	(4)			

MATH 1810	Mathematics for Business and Social Sciences	(4)	MATH 37	Applied Calculus	(4)

MATH 2011	Number Systems	(4)	MATH 32	Math Concepts Elementary Teachers: Number Systems	(4)

MATH 2101	Elements of Linear Algebra	(4)	MATH 75	Linear Algebra	(3)

MATH 2150	Discrete Structures	(4)	MATH 160	Discrete Math	(4)

** MATH 3331	Differential Equations	(4)	MATH 80	Differential Equations	(3)

STAT 1000	Elements of Probability and Statistics	(5)	MATH 34	Introduction to Statistics	(4)

END OF DEPARTMENT

** Lower division courses meet course content requirement only. No upper division credit will be granted.

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====Music====

MUS 1027 &	Sightsinging I	(1)		MUSIC 13 &	Musicianship I	(2)
MUS 1028 &	Sightsinging II	(1)		MUSIC 14	Musicianship II	(2)
MUS 1029	Sightsinging III	(1)				

MUS 1031 &	Music Theory I	(4)		MUSIC 15 &	Basic Music	(3)
MUS 1032 &	Music Theory II	(4)		MUSIC 16	Music Theory I	(3)
MUS 1033	Music Theory III	(4)				

MUS 1314 &	Basic Piano Class I	(1)		MUSIC 31 &	Piano I	(1.5)
MUS 1315 &	Basic Piano Class II	(1)		MUSIC 32	Piano II	(1.5)
MUS 1316	Basic Piano Class III	(1)				

MUS 2031 &	Music Theory IV	(4)		MUSIC 17 &	Music Theory II: Tonal	(4)
					Harmony	
MUS 2032 &	Music Theory V	(4)		MUSIC 18	Music Theory III:	(4)
					Chromatic Harmony and	
					Later Styles	
MUS 2033	Music Theory VI	(4)				

MUS 2311 &	Intermediate Class Piano	(1)		MUSIC 33A	Intermediate Piano	(1.5)
	I					
				OR		
MUS 2312 &	Intermediate Class Piano	(1)		MUSIC 33B	Advanced Piano	(1.5)
	II					
MUS 2313	Intermediate Class Piano	(1)				
	III					

END OF DEPARTMENT

====Nutrition====

** BIOL 3070	Human Nutrition	(4)		NUTRI 55	Introduction to	(3)
					Nutrition	

NURS 2010	Principles of Nutrition	(4)		NUTRI 55	Introduction to	(3)
	and Medical Nutrition				Nutrition	
	Therapy					

END OF DEPARTMENT

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====Physical Education====

KIN 1610	Introduction to Kinesiology	(4)		PE 100	Introduction to Kinesiology	(3)

KIN 2600	Prevention and Care of Athletic Injuries	(4)		PE 67	Introduction to Sports Medicine & Athletic Training	(3)

END OF DEPARTMENT

====Physics====

PHYS 1001	& General Physics: Newtonian Mechanics and Oscillations	(5)		PHYS 40	& Physics for Scientists and Engineers I	(4)
PHYS 1002	& General Physics: Thermodynamics and Optics	(5)		PHYS 41	& Physics for Scientists and Engineers II	(4)
PHYS 1003	General Physics: Electromagnetism	(5)		PHYS 42	Physics for Scientists and Engineers III	(4)

PHYS 1001	& General Physics: Newtonian Mechanics and Oscillations	(5)		PHYS 40	& Physics for Scientists and Engineers I	(4)
PHYS 1002	& General Physics: Thermodynamics and Optics	(5)		PHYS 41	& Physics for Scientists and Engineers II	(4)
PHYS 1003	& General Physics: Electromagnetism	(5)		PHYS 42	& Physics for Scientists and Engineers III	(4)
PHYS 2004	General Physics	(5)		No Course	Articulated	

PHYS 1700	& Elementary Physics	(4)		PHYS 15	Introduction to Physics	(4)
PHYS 1780	Elementary Physics Laboratory	(1)				

PHYS 2701	& Introductory Physics: Force, Mass, and Motion	(4)		PHYS 35	& College Physics I	(4)
PHYS 2702	& Introductory Physics: Heat, Sound, Electricity, and Magnetism	(4)		PHYS 36	College Physics II	(4)
PHYS 2703	Introductory Physics: Light and Modern Physics	(4)				

END OF DEPARTMENT

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====Political Science====

+ POSC 1201	American Political Institutions	(4)		POLSC 10	Introduction to American Government: Institutions and Ideals	(3)
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+ POSC 1202	Public Policy/California Politics	(4)		POLSC 10	Introduction to American Government: Institutions and Ideals	(3)
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END OF DEPARTMENT

+ No single course may be applied to more than one major requirement.

====Psychology====

PSYC 1000	General Psychology	(5)		PSYCH 11	General Psychology	(3)
PSYC 2020	Methods of Investigation in Psychology	(4)		PSYCH 17	Introduction to Research Methods in Psychology	(3)
				Same as: SOCIO 17		

END OF DEPARTMENT

====Sociology====

SOC 1000	Introduction to Sociology	(4)		SOCIO 15	Introduction to Sociology	(3)
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END OF DEPARTMENT

====Spanish====

MLL 1401 &	Elementary Spanish I	(4)		SPAN 50 &	Elementary Spanish I	(5)
MLL 1402 &	Elementary Spanish II	(4)		SPAN 51	Elementary Spanish II	(5)
MLL 1403	Elementary Spanish III	(4)				
MLL 2401 &	Intermediate Spanish I	(4)		SPAN 52 &	Intermediate Spanish I	(5)
MLL 2402 &	Intermediate Spanish II	(4)		SPAN 53	Intermediate Spanish II	(5)
MLL 2403	Intermediate Spanish III	(4)				

END OF DEPARTMENT

====Speech====

COMM 1000	Public Speaking	(4)		SPCH 110	Speech Communication	(3)
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To: CSU East Bay, From: Los Medanos College, 13-14

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Speech (continued)

COMM 1004	Interpersonal Communication	(4)		SPCH 130	Interpersonal Communications	(3)
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COMM 2201	Argumentation and Debate	(4)		SPCH 120	Argumentation and Debate	(3)
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END OF DEPARTMENT

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