

## NATURAL SCIENCES LOWER DIVISION GENERAL EDUCATION

All Natural Science majors are required to take a minimum of 8 units of Lower Division coursework. These courses cannot be used to meet more than one requirement, **duplication is not allowed**. Pre-requisites to all courses and term availability are available at <http://registrar.ucmerced.edu/go/schedule>. All courses are not available every semester.

### Complete one of the following lower division Humanities/Arts courses

ARTS 1A: Learning to See: Drawing	ARTS 63B: Introduction to American Ensemble -Dance	GASP 23: Music of Asia Pacific
ARTS 2C: Intro to Vocal Jazz Repertoire	ARTS 64A: Introduction to Swing Ensemble-Music	GASP 24: Introduction to Film Analysis
ARTS 2D: Intro to Musical Theater Vocal	ARTS 64B: Introduction to Swing Ensemble-Dance	GASP 25: Music of the Middle East
ARTS 3: Learning to See: Painting	ARTS 65A: Introduction to Middle Eastern Ensemble-Music	GASP 26: Music in the World's Religions
ARTS 3B: Learning to See: Intermediate Painting	ARTS 65B: Introduction to Middle Eastern Ensemble-Dance	GASP 34: The American Musical
ARTS 4A: Learning to See in Three Dimensions	ARTS 66A: Introduction to Nordic Ensemble-Music	HIST 05: History of Cartography
ARTS 4B: Learning to See: Sculpture	ARTS 66B: Introduction to Nordic Ensemble- Dance	HIST 10: Intro to World History to 1500
ARTS 5A: Learning to Listen: Beginner Music	ARTS 67A: Introduction to Musical Improvisation	HIST 11: Intro to World History from 1500
ARTS 6/GASP 2: Intro to Music Studies	ARTS 68: Experimental Inter-Arts Ensemble	HIST 16: Forging of the United States, 1607-1877
ARTS 7: Art Score	ARTS 70: Techniques of Contemporary Artists	HIST 17: Modern United States, 1877-Present
ARTS 8A: Learning to Perform: Beginner Acting	ARTS 71: Tech of Interdisciplinary Research	HIST 25: Intro to Environmental History
ARTS 9: Intro to Contemporary Practices in Photo	ARTS 75: Performative Storytelling	HIST 27: History of Food
ARTS 10: Substances of Arts	ARTS 77: Songwriting	HIST 30A: Medieval Europe
ARTS 11: Substances of Music	CCST 60/SPAN 60/ENG 32: Intro to Chicano/a Culture and Experiences	HIST 30B: Early Modern Europe
ARTS 12: Substances of Architecture	CHN 1: Elementary Chinese I	HIST 31: Modern European History
ARTS 13: Substances of Visual Arts	CHN 2: Elementary Chinese II	HIST 40: History of Technology in Society I
ARTS/GASP 15: History of Western Art Music	CHN 3: Intermediate Chinese I	HIST 41: History of Technology in Society II
ARTS/GASP 16: History of Popular Music	CHN 4: Intermediate Chinese II	HIST 42: The Body in Health and Disease– An Introduction to the History of Medicine
ARTS/GASP 17: Music and Society	ENG 17: Why Harry Potter? Why Literature?	HIST 60: The Silk Road
ARTS/GASP 19: Love Songs	ENG 20: Introduction to Shakespeare	HIST 70: History of Islam I
ARTS 20: Fundamentals of Two Dimensional Design	ENG 21: Jane Austen and Popular Culture	HIST 71: History of Islam II
ARTS 21: Fundamentals of Three Dimensional Design	ENG 30: Literature of Childhood	HIST 80: History of China Through the Mongol Conquest
ARTS/GASP 22: Making Electronic Music	ENG 31: Introduction of African-American Literature and Culture	HIST 81: History of China Since the Mongol Conquest
ARTS 23: Multimedia Studio	ENG 33: Literature and Sexuality	JPN 1: Elementary Japanese I
ARTS 26A: Fundamentals of Music	ENG 50: Readings in Close Reading	JPN 2: Elementary Japanese II
ARTS 27B: Introduction to Music Technology	ENG 52: Politics and Prose of the Nobel Prize in Literature	JPN 3: Intermediate Japanese I
ARTS/GASP 28: Meaning in Music	ENG 54: Introduction to the American Novel	JPN 4: Intermediate Japanese II
ARTS/GASP 29: Music, Dance, Gender, and Sexuality	ENG 55: Introduction to the Short Story	PHIL 1: Intro to Philosophy
ARTS/GASP 31: Critical Popular Music Studies	ENG 56: Introduction to World Drama	PHIL 2: Intro to Ethics
ARTS/GASP 32: Introduction to Jazz Studies: History of Jazz	ENG 57: Introduction to Poetry	PHIL 3: Applied Ethics
ARTS/GASP 33: Bollywood	ENG 64: LGBT Fiction	PHIL 9: Phenomenology and Existentialism
ARTS 36: Introduction to Art Song	ENG 66: Literary Romance	SPAN 1: Elementary Spanish I
ART/GASP 40: Global Art History	ENG 90: Topics in Literature	SPAN 2: Elementary Spanish II
ARTS 42A: Introduction to Photographic Techniques and Practices	FRE 1: Elementary French I	SPAN 3: Intermediate Spanish I
ARTS/GASP 50: Music of the Atlantic World	FRE 2: Elementary French II	SPAN 4: Intermediate Spanish II
ARTS/GASP 51: Music of the Pacific World	FRE 3: Intermediate French I	SPAN 10: Spanish for Heritage Speakers I
ARTS/GASP 52: Music of the Caribbean World	FRE 4: Intermediate French II	SPAN 11: Spanish for Heritage Speakers II
ARTS/GASP 53: History of European Art and Architecture	GASP 1: Intro to Global Arts Studies	SPAN 50: Intro to Hispanic Literature
ARTS 60A: Introduction to African Ensemble-Music	GASP 3: Intro to Visual Culture	SPAN 51: Intro to Hispanic Literature II
ARTS 60B: Introduction to African Ensemble-Dance	GASP 4: Intro to Arts and Cultural Studies	WH 1: Intro to World Heritage
ARTS 61A: Introduction to Asian Ensemble-Music	GASP 5: Intro to Arts and Technology	WH 2: Cyber Heritage
ARTS 61B: Introduction to Asian Ensemble-Dance	GASP 12: Asia Pacific Art	WH 3: International Heritage
ARTS 62A: Introduction to Pacific Ensemble-Music	GASP 13: Latin American Art	WH 4: World Heritage in Maps
ARTS 62B: Introduction to Pacific Ensemble -Dance		WH 10: Cultural Geography
ARTS 63A: Introduction to American Ensemble-Music		

### Complete one of the following lower division Social Science courses

ANTH 1: Intro to Socio-cultural Anthropology	POLI 3: Introduction to Comparative Politics	SOC 35: Introduction to Political Sociology
ANTH 3: Intro to Anthropological Archaeology	POLI 5: Intro to International Relations	SOC 36: Globalization
ANTH 5: Intro to Biological Anthropology	POLI 6: Global Issues	SOC 38: Sociology of Race and Racism
COGS 1: Introduction to Cognitive Science	POLI/SOC 9: Community Mobilization and Politics	SOC 40: Intro to the Sociology of Organizations
COGS 5: Intro to Language and Linguistics	PSY 1: Introduction to Psychology	SOC 50: Self and Society
ECON 1: Introduction to Economics	PUBP 1: Introduction to Public Policy	SOC 55: Sociology of the Family
PH 1: Introduction to Public Health	SOC 1: Introduction to Sociology	SOC 60: Introduction to the Sociology of Gender
PH 5: Global and International Public Health	SOC 2: Marriage and the Family	SOC 70: Introduction to Crime and Deviance
POLI 1: Introduction to American Politics	SOC 20: Social Problems	SOC 80: Issues of Race and Ethnicity
POLI 2: Controversies in American Politics	SOC 30: Social Inequality	

\* If you have taken a course that is not on this list please check with your advisor for approval