

**UCSD SIXTH COLLEGE ACADEMIC PROGRAMS  
PRACTICUM DEPARTMENTAL COURSE LIST**

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For Bioengineering, Chemical Engineering, Computer Science and Engineering, Electrical and Computer Engineering, Engineering, Mechanical and Aerospace Engineering, NanoEngineering, and Structural			
For information regarding Sixth College CAT 124 classes, special study 198 and 199 projects, and study abroad programs, please visit <a href="http://sixth.ucsd.edu/practicum">sixth.ucsd.edu/practicum</a> . Students interested in courses not listed below			
Department	Program	Course	Title
ACADEMIC INTERNSHIP PROGRAM		AIP 197	Academic Internship Program
		AIP 197F	Academic Internship Program—Foreign
		AIP 197P	Public Service Minor Internship
		AIP 197T	Academic Internship Program
ANTHROPOLOGY	Archaeology	ANAR 100	Special Topics in Anthropological Archaeology
		ANAR 119S	Archaeological Field and Laboratory Class
		ANAR 155S	Study Abroad: Ancient Mesoamerica
		ANAR 185	Middle East Desert Cultural Ecology
		ANAR 190	Middle East Archaeological Field School
		ANAR 191	Advanced Cyber-Archaeology Field School
		ANAR 194S	Summer Middle East Archaeological Field School
	Biological Anthropology	ANBI 148	Not by Genes Alone: Evolution, Behavior, and Ecology
	Sociocultural Anthropology	ANSC 172	Life-History Seminar and Practicum
	Anthropology	ANTH 195	Instructional Apprenticeship
ANTH 196A		Honors Studies in Anthropology	
ANTH 196B		Honors Studies in Anthropology	
ANTH 197		Field Studies	
BIOLOGICAL SCIENCES	Biochemistry	BIBC 103	Biochemical Techniques
	Genetics, Cellular and Developmental Biology of Plants and Animals	BICD 123	Plant Molecular Genetics and Biotechnology Laboratory
		BICD 145	Laboratory in Molecular Medicine
	Ecology, Behavior, and Evolution	BIEB 121	Ecology Laboratory
		BIEB 131	Marine Invertebrate Ecology Laboratory
		BIEB 167	Animal Communication Laboratory
	Molecular Biology, Microbiology	BIMM 101	Recombinant DNA Techniques
		BIMM 116/PSYC 133	Circadian Rhythms—Biological Clocks
		BIMM 116B	BioClock Studio
		BIMM 121	Laboratory in Microbiology
		BIMM 171A	Genomics Research Initiative Laboratory
	Physiology and Neuroscience	BIMM 185	Advanced Bioinformatics Laboratory
		BIPN 105	Animal Physiology Laboratory
	Special Courses	BISP 195	Undergraduate Instructional Apprenticeship in Biological Sciences
BISP 196		Honors Thesis in Biology	
BISP 197		Biology Internship Program	
CHEMISTRY AND BIOCHEMISTRY		CHEM 108	Protein Biochemistry Laboratory
		CHEM 109	Recombinant DNA Laboratory
		CHEM 105A	Physical Chemistry Laboratory
		CHEM 105B	Physical Chemistry Laboratory
		CHEM 113	Physical Chemistry of Biological Macromolecules
		CHEM 143C	Organic Chemistry Laboratory
		CHEM 143D	Molecular Design and Synthesis
		CHEM 195	Methods of Teaching Chemistry
		CHEM 196	Reading and Research in Chemical Education
		CHEM 197	Chemistry Internship
CHINESE STUDIES		CHIN 196	Directed Thesis Research
CLASSICAL STUDIES		CLAS 196A	Directed Honors Thesis in Classical Studies
		CLAS 196B	Directed Honors Thesis in Classical Studies
COGNITIVE SCIENCE		COGS 102C	Cognitive Design Studio
		COGS 120/CSE 170	Interaction Design
		COGS 121	Human Computer Interaction Programming Studio
		COGS 160	Upper-Division Seminar on Special Topics
		COGS 163	Metabolic Disorders of the Brain
		COGS 187A	Usability and Information Architecture
		COGS 187B	Practicum in Professional Web Design
		COGS 190B	Honors Studies in Cognitive Science
	COGS 190C	Honors Thesis in Cognitive Science	
COMMUNICATION		COMM 101D	Non-Linear Digital Editing
		COMM 101E	Ethnographic Methods for Media Production
		COMM 102C	Practicum in New Media and Community
		COMM 102D	Practicum in Child Development
		COMM 102M	Methods of Media Production Practicum: Studio Television
		COMM 102P	Media Production Laboratory: Television and Analysis and Production
		COMM 120I	Social Issues in Media Production
		COMM 120N	Advanced Media Production: News Media Workshop
		COMM 120P	Digital Media Pedagogy
		COMM 190	Junior Seminar in Communication
		COMM 194	Research Seminar in Washington, D.C.
		COMM 196A	Honors Seminar in Communication
	COMM 196B	Honors Seminar in Communication	
CONTEMPORARY ISSUES	Center for Research on Educational Equity, Assessment, and Teaching Excellence	CONT 150A	College Academic Mentor Program
CRITICAL GENDER STUDIES		CGS 190	Honors Seminar
		CGS 196A	Critical Gender Studies Honors Research
		CGS 196B	Honors Thesis
		CGS 198	Directed Group Study
CULTURE, ART, AND TECHNOLOGY		CAT 197	Culture, Art, and Technology Field Studies
ECONOMICS		ECON 143	Experimental Economics

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ECONOMICS		ECON 191A & ECON 191B	Senior Essay Seminar A & Senior Essay Seminar B
EDUCATION STUDIES	Education Studies	EDS 116	The Psychology of Teaching and Structures of Information for Human Learning
		EDS 132	Hands-On Seminar
	Partners at Learning	EDS 128A & EDS 139	Introduction to Teaching and Learning (Elementary) & Practicum in Teaching/Learning
		EDS 128B & EDS 139	Introduction to Teaching and Learning (Elementary) & Practicum in Teaching/Learning
		EDS 129A & EDS 139	Introduction to Teaching and Learning (Secondary) & Practicum in Teaching/Learning
		EDS 129B & EDS 139	Introduction to Teaching and Learning (Secondary) & Practicum in Teaching/Learning
		EDS 129C & EDS 139	Introduction to Teaching and Learning (Secondary) & Practicum in Teaching/Learning
		EDS 130 & EDS 139	Introduction to Academic Mentoring of Elementary/School Students & Practicum in Teaching/Learning
		EDS 131 & EDS 139	Introduction to Early Childhood Education & Practicum in Teaching/Learning
		EDS 136 & EDS 139	Introduction to Academic Tutoring of Secondary School Students & Practicum in Teaching/Learning
		EDS 137 & EDS 139	Introduction to Discipline-Specific Teaching and Learning & Practicum in Teaching/Learning
		EDS 138 & EDS 139	Introduction to Academic Tutoring at the Preuss School & Practicum in Teaching/Learning
		EDS 140 & EDS 139	Issues in PreK-12 Education & Practicum in Teaching/Learning
		EDS 141 & EDS 139	Action Research in PreK-12 & Practicum in Teaching/Learning
ENVIRONMENTAL SYSTEMS		ESYS 190A	Senior Project
		ESYS 190B	Environmental Systems Senior Seminar
ETHNIC STUDIES		ETHN 100C	Social Justice Praxis
		ETHN 100H	Honors Research Design
		ETHN 107	Fieldwork in Racial and Ethnic Communities
		ETHN 114A	Representing Native America
		ETHN 114B	Representing Native America—Exhibition Design
		ETHN 134	Immigration and Ethnicity in Modern American Society
		ETHN 162	Practicum in California Tribal Law and Journalism
		ETHN 189	Special Topics in Ethnic Studies
		ETHN 196H	Honors Thesis
FAMILY MEDICINE AND PUBLIC HEALTH		FMPH 180A	Public Health Advanced Practicum I
		FMPH 180B	Public Health Advanced Practicum II
HISTORY	Topics	HITO 193	Research Seminar in Washington, D.C.
HUMAN DEVELOPMENT PROGRAM		HDP 191	Field Research in Human Development
		HDP 193	Advanced Research in Human Development
		HDP 194A	Honors Thesis
		HDP 194B	Honors Thesis
		HDP 194C	Honors Thesis
INTERNATIONAL STUDIES		INTL 190	Seminar in International Studies
		INTL 190H	Honors Seminar in International Studies
		INTL 196H	International Studies Honors Program
		INTL 197	Internship
JACOBS SCHOOL OF ENGINEERING	Bioengineering	BENG 152	BioSystems Engineering Laboratory
		BENG 162	Biotechnology Laboratory
		BENG 166A	Cell and Tissue Engineering
		BENG 186A	Principles of Biomaterials Design
		BENG 196	Bioengineering Industrial Internship
		BENG 197	Engineering Internship
	Chemical Engineering	CENG 176A	Chemical Engineering Process Laboratory I
		CENG 176B	Chemical Engineering Process Laboratory II
	Computer Science and Engineering	CSE 110	Software Engineering
		CSE 112	Advanced Software Engineering
		CSE 125	Software System Design and Implementation
		CSE 135	Online Database Analytics Applications
		CSE 145	Embedded System Design Project
		CSE 197	Field Study in Computer Science and Engineering
	Electrical and Computer Engineering	ECE 111	Advanced Digital Design Project
		ECE 190	Engineering Design
		ECE 191	Engineering Group Design Project
		ECE 193H	Honors Project
	Engineering	ECE 197	Field Study in Electrical and Computer Engineering
		ENG 100D	Design for Development
	Mechanical and Aerospace Engineering	MAE 126A	Environmental Engineering Laboratory
		MAE 126B	Environmental Engineering Design
		MAE 154	Product Design and Entrepreneurship
		MAE 155B	Aerospace Engineering Design II
		MAE 156B	Fundamental Principles of Mechanical Design II
		MAE 170	Experimental Techniques
		MAE 171A	Mechanical Engineering Laboratory I
		MAE 175A	Aerospace Engineering Laboratory

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Department	Program	Course	Title
	NanoEngineering	MAE 197	Engineering Internship
		NANO 120A	Nanoengineering System Design I
		NANO 120B	Nanoengineering System Design II
	Structural Engineering	SE 140	Structures and Materials Laboratory
		SE 142	Design of Composite Structures
		SE 163	Nondestructive Evaluation
		SE 168	Structural System Testing and Model Correlation
SE 197		Engineering Internship	
JEWISH STUDIES		JUDA 196A	Jewish Studies Honors Course
		JUDA 196B	Jewish Studies Honors Course
LATIN AMERICAN STUDIES		LATI 122B	Field Research Methods for Migration Studies: Practicum
		LATI 190	Senior Seminar
		LATI 191	Honors Seminar
LINGUISTICS		LIGN 110	Phonetics
		LIGN 175	Sociolinguistics
		LIGN 197	Linguistics Internship
		LIGN 199H	Honors Independent Study in Linguistics
LITERATURE	Literatures in English	LTEN 196	Honors Thesis
	Literatures in Italian	LTIT 196	Honors Thesis
	Literatures in Spanish	LTSP 196	Honors Thesis
	Literatures of the World	LTWL 196	Honors Thesis
	Writing/Literature	LTWR 195	Apprentice Teaching
		LTWR 196	Honors Thesis
LTWR 198		Directed Group Study	
MATHEMATICS		MATH 111A	Mathematical Modeling
		MATH 197	Mathematics Internship
MUSIC	Interdisciplinary Computing and the Arts	ICAM 160A	Senior Project in Computer Arts I
		ICAM 160B	Senior Project in Computer Arts II
	Music	MUS 103A	Seminar in Composition I
		MUS 103B	Seminar in Composition II
		MUS 103C	Seminar in Composition III
		MUS 103D	Honors Seminar in Composition
		MUS 103E	Honors Seminar in Composition
		MUS 103F	Honors Seminar in Composition
		MUS 132R	Recital Preparation
		MUS 137D	Seminar in Jazz Studies I
		MUS 137E	Seminar in Jazz Studies II
		MUS 137F	Seminar in Jazz Studies III
University of California/District of Columbia	UCDC 191G	Arts Research Seminar	
PHILOSOPHY		PHIL 191A	Philosophy Honors
		PHIL 191B	The Honors Essay
PHYSICS		PHYS 120	Circuits and Electronics
		PHYS 122	Experimental Techniques
		PHYS 124	Laboratory Projects
POLITICAL SCIENCE	American Politics	POLI 102J	Advanced Topics in Urban Politics
	Special Studies	POLI 191A	Senior Honors Seminar: Frontiers of Political Science
		POLI 191B	Senior Honors Seminar: Frontiers of Political Science
		POLI 194	Research Seminar in Washington, D.C.
		POLI 194SD	Local Internship Research Seminar
		POLI 197I	Political Science Washington Internship
		POLI 197SD	Local Internship in Political Science
PSYCHOLOGY		PSYC 114	Laboratory/Psychophysical Perspectives on the Social Mind
		PSYC 116	Laboratory/Laboratory in Clinical Psychology Research
		PSYC 117	Psychology Project Laboratory
		PSYC 120	Learning and Motivation
		PSYC 121	Laboratory in Operant Psychology
		PSYC 133/BIMM 116	Circadian Rhythms—Biological Clocks
		PSYC 140	Laboratory/Human Behavior
		PSYC 194A	Honors Thesis
		PSYC 194B	Honors Thesis
	PSYC 194C	Honors Thesis	
RADY SCHOOL OF MANAGEMENT		MGT 103	Product Marketing and Management
		MGT 105	Product Promotion and Brand Management
		MGT 106	Sales and Sales Management
		MGT 112	Global Business Strategy
		MGT 121A	Innovation to Market A
		MGT 121B	Innovation to Market B
SCRIPPS INSTITUTION OF OCEANOGRAPHY		SIO 100	Introduction to Field Methods
		SIO 104	Paleobiology and History of Life
		SIO 110	Introduction to GIS and GPS for Scientists
		SIO 113	Introduction to Computational Earth Science
		SIO 194	Research Seminar in Washington, D.C.
		SIO 196	Honors Thesis Research
		SIO 197	Earth Science Internship

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SIXTH COLLEGE		SXTH 195	Training and Introduction to Pedagogy for First-Year Experience Discussion Leaders	
SOCIOLOGY		SOCI 104	Field Research: Methods of Participant Observation	
		SOCI 110	Qualitative Research in Educational Settings	
		SOCI 142	Social Deviance	
		SOCI 194	Research Seminar in Washington, D.C.	
		SOCI 196A	Honors Seminar: Advanced Studies in Sociology	
		SOCI 196B	Honors Seminar: Supervised Thesis Research	
STUDY OF RELIGION		RELI 197	Directed Advanced Reading	
THEATRE AND DANCE	Theatre Acting	TDAC 109	Singing for the Actor	
		TDAC 120	Ensemble	
		TDAC 122	Ensemble: Undergraduate Production	
			TDAC 123	Advanced Studies in Performance
	Dance Choreography	TDCH 190	Major Project in Choreography	
		TDDE 130	Assistant Designer	
	Theatre Design	TDDE 132	Undergraduate Mainstage Production: Design	
		TDDE 151	Digital Video Design	
		TDDE 190	Major Project in Design/Theatre Production	
	Theatre Directing/Stage Management	TDDR 190	Major Project in Directing	
		TDDR 191	Major Project in Stage Management	
	Theatre General	TDGE 196A	Honors Study in Theatre	
		TDGE 196B	Honors Study in Theatre	
		TDGE 197	Field Study	
	Theatre History	TDHT 119	Production Dramaturgy	
		TDPF 160	Studies in Performance—Fall Production	
	Dance Performance	TDPF 161	Studies in Performance—Winter Production	
		TDPF 162	Studies in Performance—Spring Production	
		TDPF 163	Dance Repertory	
TDPF 190		Major Project/Dance Production		
Theatre/Dance Practicum	TDPR 102	Advanced Theatre Practicum		
	TDPR 104	Advanced Practicum in Stage Management		
Theatre Playwriting	TDPW 190	Major Project in Playwriting/Screenwriting		
THIRD WORLD STUDIES		TWS 197	Fieldwork	
THURGOOD MARSHALL COLLEGE	Partnership Schools Program	TMC 198	Thurgood Marshall College Directed Group Studies	
URBAN STUDIES AND PLANNING		USP 110 & USP 111	Advanced Topics in Urban Politics & Field Research in Urban Politics	
		USP 130	Fieldwork in Racial and Ethnic Communities	
		USP 177	Urban Design Practicum	
		USP 179	Urban Design, Theory, and Practice	
		USP 186	Senior Sequence Research Proposal	
		USP 187	Senior Sequence Research Project	
		USP 193	San Diego Community Research	
		USP 194	Research Seminar in Washington, D.C.	
VISUAL ARTS		VIS 108	Advanced Projects in Art	
		VIS 109	Advanced Projects in Media	
		VIS 110A	Contemporary Issues and Practices	
		VIS 110C	Proposals, Plans, Presentations	
		VIS 110D	Visual Narrative/Tableau	
		VIS 110E	Art in Public Space/Site-Specific Art	
		VIS 110F	Installation: Cross-Disciplinary Projects	
		VIS 110G	The Natural and Altered Environment	
		VIS 110I	Performing for the Camera	
		VIS 110J	Ritual Performance	
		VIS 110M	Studio Honors I	
		VIS 110N	Studio Honors II	
		VIS 129G	Art History Honors Seminar	
		VIS 129H	Art History Honors Directed Group Study	
		VIS 180A	Documentary Evidence and the Construction of Authenticity in Current Media Practices	
		VIS 180B	Fiction and Allegory in Current Media Practices	
		VIS 181	Sound and Lighting	
	VIS 182	Advanced Editing		
	VIS 183A	Strategies of Self		
	VIS 183B	Strategies of Alterity		
		VIS 197	Media Honors Thesis	