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# Interdisciplinary Programs

## Undergraduate

### Degrees

#### Bachelor of Arts

American Studies (see American Studies and Ethnicity, page 224)  
 American Studies and Ethnicity (African American Studies) (see American Studies and Ethnicity, page 226)  
 American Studies and Ethnicity (Asian American Studies) (see American Studies and Ethnicity, page 227)  
 American Studies and Ethnicity (Chicano/Latino Studies) (see American Studies and Ethnicity, page 228)  
 East Asian Area Studies (see East Asian Area Studies, page 276)  
 Environmental Studies: Business (see Environmental Studies, page 302)  
 Environmental Studies: Geography (see Environmental Studies, page 302)  
 Environmental Studies: Public Policy and Management (see Environmental Studies, page 303)

Environmental Studies: Social Sciences (see Environmental Studies, page 301)  
 Gender Studies (see page 316)  
 Health and Humanity (see page 329)  
 Interdisciplinary Major (see Interdisciplinary Studies, page 339)  
 International Relations (Global Business) (see International Relations, page 341)  
 Linguistics/East Asian Languages and Cultures (see Linguistics, page 358)  
 Linguistics/Philosophy (see Linguistics, page 358)  
 Linguistics/Psychology (see Linguistics, page 358)  
 Neuroscience (see page 374)  
 Religion, emphasis in Judaic Studies (see Religion, page 412)  
 Social Sciences, emphasis in Economics (see Economics, page 285)  
 Social Sciences, emphasis in History (see History, page 331)  
 Social Sciences, emphasis in Psychology (see Psychology, page 406)

#### Bachelor of Science

Biochemistry (see Biological Sciences, page 248)  
 Biophysics (see Physics and Astronomy, page 387)  
 Business Administration (Cinema-Television) (see Business, page 129)  
 Business Administration (East Asian Studies) (see Business, page 130)  
 Business Administration (International Relations) (see Business, page 130)  
 Economics/Mathematics (see Mathematics, page 365)  
 Environmental Studies: Biology (see Environmental Studies, page 303)  
 Environmental Studies: Chemistry (see Environmental Studies, page 304)  
 Environmental Studies: Earth Sciences (see Environmental Studies, page 304)  
 General Studies (see Education, page 501)  
 Physical Sciences (see Physics, page 387)  
 Physics/Computer Science (see Physics and Astronomy, page 386)

### Minors

African American Studies (see American Studies and Ethnicity, page 226)  
 American Popular Culture (see American Studies and Ethnicity, page 229)  
 American Studies (see American Studies and Ethnicity, page 225)  
 Ancient Religion and Classical Languages (see Religion, page 412)  
 Arabic and Middle East Studies (see Linguistics, page 358)  
 Asian American Studies (see American Studies and Ethnicity, page 227)  
 Bioethics (see page 245)  
 Biotechnology (see Biological Sciences, page 248)  
 Chicano/Latino Studies (see American Studies and Ethnicity, page 228)  
 Children and Families in Urban America (see Social Work, page 835)  
 Coastal Ocean and Watershed Science (see Geography, page 320)  
 Communication and the Entertainment Industry (see Communication, page 441)  
 Communication Design (see Fine Arts, page 618)

Communication Law and Media Policy (see Communication, page 442)  
 Construction Planning and Management (see Engineering, page 555)  
 Critical Approaches to Leadership (see Interdisciplinary Studies, page 339)  
 Cultural Studies (see Communication, page 443)  
 East Asian Area Studies (see East Asian Area Studies, page 227)  
 Education in a Pluralistic Society (see Education, page 502)  
 Engineering Management (see Engineering, page 590)  
 Environmental Planning and Development (see Environmental Studies, page 305)  
 Environmental Natural Sciences (see Environmental Studies, page 305)  
 Environmental Social Sciences (see Environmental Studies, page 304)  
 Forensics and Criminality (see Sociology, page 422)

Gender Studies (see page 316)  
 Geographic Information Science (see Geography, page 320)  
 Global Communication (see Communication, page 442)  
 Health Communication (see Communication, page 443)  
 Health Policy and Management (see Policy, Planning, and Development, page 789)  
 International Policy and Management (see International Relations, page 342)  
 International Urban Development (see International Relations, page 342)  
 Jewish American Studies (see American Studies and Ethnicity, page 229)  
 Judaic Studies (see page 351)  
 Law and Internet Technology (see Engineering, page 597)  
 Law and Public Policy (see Policy, Planning, and Development, page 789)  
 Law and Society (see Political Science, page 396)  
 Multimedia and Creative Technologies (see Engineering, page 604)

- Musical Theatre (see Music, page 734)  
Natural Science (see Biological Sciences, page 249)  
Neuroscience (see Neuroscience, page 375)  
Pacific Rim Development (see Geography, page 320)  
Peace and Conflict Studies (see page 378)  
Performing Arts Studies (see Theatre, page 848)  
Psychology and Law (see Psychology, page 406)
- Public Policy (see Policy, Planning, and Development, page 790)  
Russian Area Studies (see Slavic Languages and Literatures, page 418)  
Southern California (see Geography, page 320)  
Thematic Approaches to the Humanities and Society (see Thematic Option, page 434)  
Theories of Art (see Philosophy, page 380)
- 3-D Animation (see Fine Arts, page 619)  
Urban Neighborhood Studies (see page 103)  
Video Game Design and Management (see Engineering, page 597)  
Visual Culture (see Art History, page 239)

## Programs

- Collaborative Learning Projects (see Learner Centered Curricula, page 356)  
Honors in Multimedia Scholarship (see Interdisciplinary Programs, page 102)  
Individual Programs of Study (see Learner Centered Curricula, page 356)  
Liberal Arts Modules (see Thematic Option, page 434)

## Graduate and Professional

### Degrees

#### Master's Degrees

- Cell and Neurobiology (see Medicine, page 695)  
Clinical and Biomedical Investigations (see Medicine, page 715)  
Construction Management (see Policy, Planning, and Development, page 813)  
Medical Device and Diagnostic Engineering (see Engineering, page 543)  
Physiology and Biophysics (see Medicine, page 708)

#### Graduate Certificate

- Urban and Global Studies (see Interdisciplinary Programs, page 103)  
Transportation Systems (see Policy, Planning, and Development, page 804)

#### Doctor of Philosophy

- Computational Biology and Bioinformatics (see Biological Sciences, page 251)  
Molecular Pharmacology and Toxicology (see Pharmacy, page 770)  
Pathobiology (see Medicine, page 705)  
Pharmaceutical Sciences (see Pharmacy, page 770)  
Physiology and Biophysics (see Medicine, page 708)

## Interdisciplinary Programs

### Honors in Multimedia Scholarship

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Email: [honors@annenberg.edu](mailto:honors@annenberg.edu)  
[www.iml.annenberg.edu](http://www.iml.annenberg.edu)

*Director:* Anne Balsamo

#### Program Overview

Honors in Multimedia Scholarship offers qualified undergraduate students an opportunity to approach their discipline(s) of study through the critical application of multimedia expression and scholarship. The program is based on the premise that a century of mass communication and the advent of digital communication have transformed the way ideas are expressed and understood across society. As a result, the notion of literacy, which has traditionally referred to the reading and writing of printed materials, has fundamentally expanded to include new forms of expression.

Over the four-year course of the students' undergraduate experience, the program will gradually expose them to the history, theory and practice of multimedia scholarship within a range of disciplinary and interdisciplinary contexts, developing and refining their abilities to research, author and publish work in methods appropriate and specific to their field of study.

Students accepted into the Institute for Multimedia Literacy Honors Program in Multimedia Scholarship participate in smaller classes taught by leading faculty members. The program enrolls entering freshman students, and a limited number of sophomore students, who will integrate multimedia courses into their curriculum throughout their four-year university education.

Each course within the program is designed to develop student facility with the theory and practice of genres of multimedia scholarship and provide opportunities to develop skills in multimedia authorship, collaboration, leadership and creative thinking.

*Year 1:* Foundational study of the contexts, concepts and competencies of multimedia literacy, embodied in the languages of new media.

*Year 2:* Beginning integration of multimedia approaches within chosen disciplines and within the general education liberal arts structure.

*Year 3:* Development of proficiency with multimedia as a scholarly tool within a student's own discipline or cognate fields of study.

*Year 4:* A year-long project that demonstrates mastery in the area of discipline-based multimedia authorship.

Upon successfully completing IML 101, students will fulfill the other requirements through IML-specific courses in the general education program and courses in their major, minor or cognate field of study. Students complete the honors with a culminating capstone course.

To maintain small classes and allow for extensive discussion and project development, the Honors in Multimedia Scholarship program requires an individual application process for each student. Students must be highly motivated which should be reflected in their personal statement, cumulative SAT scores of 1400 or above and an A- high school GPA. The program is rigorous and requires extensive reading, writing and multimedia authoring. Honors in Multimedia Scholarship (IML) courses are not available for pass/no pass registration.

Information about courses for the Honors in Multimedia Scholarship and other program offerings can be obtained from advisors in the Institute for Multimedia Literacy offices.

COURSE REQUIREMENTS		UNITS
IML 101	Honors in Multimedia Scholarship: The Languages of New Media I	4
	General education course	4
	General Education Category I course offered exclusively for Honors in Multimedia Scholarship students. (Indicated in the <i>Schedule of Classes</i> each semester.)	
	300/400 level course	4
	Upper-division course in major, minor or cognate field of study that incorporates or supports multimedia expression of the subject matter. (Indicated in <i>Schedule of Classes</i> or by prior agreement with professor.)	
IML 440	Honors in Multimedia Scholarship: Multimedia Honors Thesis Project I	4
IML 444	Honors in Multimedia Scholarship: Multimedia Honors Thesis Project II	4
		20
ELECTIVES		UNITS
IML 104	Honors in Multimedia Scholarship: The Languages of New Media II	2
IML 346	Honors in Multimedia Scholarship: Methods in Scholarly Multimedia	2

#### MULTIMEDIA SCHOLARSHIP (IML)

##### 101 Honors in Multimedia Scholarship: The Languages of New Media I (4, FaSp)

An introduction to the history, theory, and languages of new media. Open to students in the Honors Program in Multimedia Scholarship only.

##### 104 Honors in Multimedia Scholarship: The Languages of New Media II (2, FaSp)

An introduction to the expressive range of screen languages in their cultural, historical, and technological contexts. Open to students in the Honors Program in Multimedia Scholarship only. *Prerequisite:* IML 101.

**346 Honors in Multimedia Scholarship: Methods in Scholarly Multimedia (2, max 4, FaSp)** Emphasizing rigorous student multimedia authorship, this course explores the impact of multimedia on disciplinary conventions. Concurrent with upper division course with research component in student's major/minor. Open to students in the Honors program in Multimedia Scholarship only. *Prerequisite:* IML 101; *recommended preparation:* IML 104.

**440 Honors in Multimedia Scholarship: Multimedia Honors Thesis Project I (4, FaSp)** Exploration of theoretical and practical concerns of advanced level interdisciplinary multimedia research and authorship. Open to students in the Honors Program in Multimedia Scholarship only. Senior standing. *Prerequisite:* IML 101.

**444 Honors in Multimedia Scholarship: Multimedia Honors Thesis Project II (4, FaSp)** Production of Multimedia Honors thesis. Open to students in the Honors Program in Multimedia Scholarship only. *Prerequisite:* IML 440.

## Urban Initiative

The USC Urban Initiative offers an undergraduate minor in urban neighborhood studies and a graduate certificate in urban and global studies. Faculty from across the university's professional schools and USC College actively engage in inter- and trans-disciplinary scholarship that bridges basic and applied research.

Faculty and students undertake applied and theoretical urban scholarship in an environment that promotes inquiry, introduces principles and values and teaches the skills necessary to work on complex urban problems in multidisciplinary environments and to develop the common language essential to effective collaboration.

### Minor in Urban Neighborhood Studies

The focus of this minor is on the quality of urban life at the scale of the neighborhood or district. This is the location of the places of residence and work, of education and religion, of everyday life. Neighborhoods are the fundamental building blocks of cities.

The minor is supported by the four "urban schools" of USC: Architecture, Education, Social Work, and Policy, Planning, and Development. The core studies are "hands-on" as a practicum in learning about neighborhoods and learning how the disciplines of the four schools provide the means for understanding and treating urban issues. The core courses are team taught by faculty from the collaborating schools.

This minor should be of interest to students generally, but especially to those interested in the nature of urban life and the policies and actions directed toward the improvement of cities.

The requirements for the minor include two required courses and 12 units of elective courses, including at least one from each of three of the Schools of Architecture, Education, Social Work, and Policy, Planning, and Development.

One of the listed geography courses may be substituted for a course from one of the sponsoring schools. At least 8 of the 12 elective units must be upper division. Students in the School of Architecture and in the School of Policy, Planning, and Development may not apply more than one core course toward their major and must take all of their elective courses outside their major.

REQUIRED COURSES		8 UNITS
URBN 375	The Urban Neighborhood	4
URBN 475	Urban Practicum	4
ELECTIVE COURSES		UNITS
One course each selected from three of the four schools:		
ARCH 114	Architecture: Culture and Community	2
ARCH 206	Shelter	4
ARCH 432	People, Places, and Culture: Architecture of the Public Realm	4
ARCH 450	Fundamentals of Historic Preservation	4
EDPA 302	Global Education	4
EDPA 308	Politics and American Education	3
GEOG 325*	Culture and Place	4
GEOG 340*	Latino L.A.	4
GEOG 410*	Urban Geography	4
PPD 350	Urban Institutions and Policies	4
PPD 372	Public Service in an Urban Setting	4
PPD 417	History of Planning and Development	4
PPD 425	Designing Livable Communities	4
PPD 439	Housing and Community Development	4
SOWK 200	Institutional Inequality in American Political and Social Policy	4
SOWK 304	Children and Families in Urban America	4

SOWK 400	Children and Families in Urban America Capstone Course	4
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\*May be substituted for a course from one of the sponsoring schools.

### Graduate Certificate in Urban and Global Studies

The Urban and Global Studies certificate provides an intense, interdisciplinary, intellectual educational, research and training experience focused on cities in global context to doctoral students from diverse professional and academic disciplines.

Urban challenges today are complex, often global problems that defy solutions from one discipline. The Urban and Global Studies certificate seeks to train a new generation of scholars with the skills to bridge basic and applied research, work collaboratively across disciplines, and think beyond national or local spheres to discover better solutions to complex problems. It offers scholars from interdisciplinary and disciplinary fields a unique opportunity to exchange respective methodologies and develop an enlarged community of communication.

A critical component of participation in the Urban and Global Studies certificate will be an international research project in the summer of the second year of the Ph.D. program. This will provide the student cohort with critical international comparative experience.

#### Admissions Criteria

Applicants for admission to the Urban and Global Studies certificate must be full-time currently enrolled students in good standing in a USC Ph.D. program. Applicants will be expected to have completed one year of full-time study in their respective schools prior to admission (generally, students will apply in the spring of their first year of study; however, other applicants further along in their Ph.D. studies will also be considered). Admitted students will generally enroll in the certificate courses during the second and third year of their Ph.D. studies.

Admission to the certificate program is highly selective and competitive. Preference is given to those with professional and academic qualities favoring success in interdisciplinary collaboration and scholarship around complex problem-solving.

Applicants must supply (1) a one-page statement of their professional and academic background and interests and career goals related to the certificate; (2) a letter of recommendation from a faculty member who knows the student's work well; and (3) a brief letter from the departmental chair (for applicants in USC College departments) or program advisor (for professional school applicants) indicating that the applicant is a currently enrolled student in good standing. Applications must be signed by the dean or a designated signer.

For specific information on admission requirements, application procedures and urban and global fellowships contact the Urban Initiative office at (213) 740-8181.

## URBAN STUDIES (URBN)

### 375 The Urban Neighborhood (4, Fa)

Understanding neighborhoods as the fundamental places of everyday urban life from the perspective of the fields of architecture, education, planning and social work. (Duplicates credit in former ARCH 375.)

**475 Urban Practicum (4, Sp)** Critical assessment of existing urban neighborhoods as a basis for proposing positive social and physical interventions. (Duplicates credit in former ARCH 475.) *Recommended preparation:* URBN 375.

**601 Pro-Seminar in Urban and Global Studies (1, max 3, FaSp)** Introduces students to the issues and problems of global cities and a range of urban scholars via the Urban Initiative lecture series. Open to Urban and Global Studies students only. Graded CR/NC.

**603 Comparative Urbanism: Theory, Method, Policy (4, Fa)** A critical overview of the city in history, past and present approaches to urban theory, the dynamics of contemporary urbanization and urban outcomes, and prospects for managing urban growth and change. Open to Urban and Global Studies students only. *Concurrent enrollment:* URBN 601.

**605 Interdisciplinary Methods of Inquiry in Urban and Social Problems (3, Fa)** Engages participants in discourse about the characteristics of urban problems and intellectual foundations of ways to solve them. It offers communication and language skills across disciplines. Open to Urban and Global Studies students only. *Prerequisite:* URBN 603; *concurrent enrollment:* URBN 601.

**700 Grand Challenge Integrative Seminar (3, Sp)** Seminar builds on knowledge and assignments of the Grand Challenge courses. Students describe, analyze and compare the work they did in their separate Grand Challenge courses. Open to Urban and Global Studies students only. *Prerequisite:* URBN 603, URBN 605.