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# Interdisciplinary Programs

## Undergraduate Programs

### Degrees

#### Bachelor of Arts

American Studies and Ethnicity (see American Studies and Ethnicity, page 236)  
 American Studies and Ethnicity (African American Studies) (see American Studies and Ethnicity, page 238)  
 American Studies and Ethnicity (Asian American Studies) (see American Studies and Ethnicity, page 239)  
 American Studies and Ethnicity (Chicano/Latino Studies) (see American Studies and Ethnicity, page 239)  
 Animation and Digital Arts (see Cinematic Arts, page 202)  
 East Asian Area Studies (see East Asian Area Studies, page 291)  
 Environmental Studies: Business (see Environmental Studies, page 318)  
 Environmental Studies: Geography (see Environmental Studies, page 318)  
 Environmental Studies: Public Policy and Management (see Environmental Studies, page 318)

Environmental Studies: Social Sciences (see Environmental Studies, page 317)  
 Gender Studies (see page 332)  
 Health and Humanity (see page 346)  
 Interdisciplinary Archaeology (see Anthropology, page 246)  
 Interdisciplinary Studies (see page 356)  
 International Relations (Global Business) (see International Relations, page 358)  
 Linguistics/East Asian Languages and Cultures (see Linguistics, page 376)  
 Linguistics/Philosophy (see Linguistics, page 376)  
 Linguistics/Psychology (see Linguistics, page 376)  
 Neuroscience (see page 393)  
 Religion, emphasis in Judaic Studies (see Religion, page 433)  
 Social Sciences, emphasis in Economics (see Economics, page 301)  
 Social Sciences, emphasis in History (see History, page 348)  
 Social Sciences, emphasis in Psychology (see Psychology, page 426)

#### Bachelor of Science

Biochemistry (see Biological Sciences, page 260)  
 Biophysics (see Physics and Astronomy, page 406)  
 Business Administration (Cinema-Television) (see Business, page 133)  
 Business Administration (East Asian Studies) (see Business, page 134)  
 Business Administration (International Relations) (see Business, page 134)  
 Computer Science/Business Administration (see Computer Science, page 598)  
 Economics/Mathematics (see Mathematics, page 383)  
 Environmental Studies: Biology (see Environmental Studies, page 319)  
 Environmental Studies: Chemistry (see Environmental Studies, page 319)  
 Environmental Studies: Earth Sciences (see Environmental Studies, page 320)  
 General Studies (see Education, page 525)  
 Physical Sciences (see Physics, page 406)  
 Physics/Computer Science (see Physics and Astronomy, page 405)

### Minors

2-D Art for Games (see Fine Arts, page 644)  
 3-D Art for Games (see Fine Arts, page 644)  
 American Popular Culture (see American Studies and Ethnicity, page 240)  
 American Studies and Ethnicity (see American Studies and Ethnicity, page 240)  
 Ancient Religion and Classical Languages (see Religion, page 433)  
 Animation and Digital Arts (see Cinematic Arts, page 213)  
 Applied Theatre Arts/Education (see Theatre, page 879)  
 Arabic and Middle East Studies (see Linguistics, page 376)  
 Bioethics (see page 257)  
 Biotechnology (see Biological Sciences, page 261)  
 Business Law (see Business, page 135)  
 Children and Families in Urban America (see Social Work, page 816)  
 Cinema-Television for the Health Professions (see Cinematic Arts, page 214)  
 Coastal Ocean and Watershed Science (see Geography, page 336)

Communication and the Entertainment Industry (see Communication, page 462)  
 Communication Design (see Fine Arts, page 642)  
 Communication Law and Media Policy (see Communication, page 463)  
 Construction Planning and Management (see Engineering, page 584)  
 Consumer Behavior (see Interdisciplinary Programs, page 102)  
 Critical Approaches to Leadership (see page 356)  
 Cultural Studies (see English, page 311)  
 Cultures and Politics of the Pacific Rim (see East Asian Languages and Cultures, page 294)  
 East Asian Area Studies (see East Asian Area Studies, page 292)  
 Education in a Pluralistic Society (see Education, page 526)  
 Engineering Management (see Engineering, page 621)  
 Engineering Technology Commercialization (see Engineering, page 543)

Environmental Natural Sciences (see Environmental Studies, page 321)  
 Environmental Planning and Development (see Environmental Studies, page 321)  
 Environmental Social Sciences (see Environmental Studies, page 320)  
 Forensics and Criminality (see Sociology, page 443)  
 Gender Studies (see page 332)  
 Geobiology (see Earth Sciences, page 286)  
 Geographic Information Science (see Geography, page 336)  
 Global Communication (see Communication, page 463)  
 Health Communication (see Communication, page 464)  
 Health Policy and Management (see Policy, Planning, and Development, page 817)  
 Human Rights (see Political Science, page 415)  
 International Policy and Management (see International Relations, page 359)

- International Urban Development (see International Relations, page 359)
- Jewish American Studies (see American Studies and Ethnicity, page 240)
- Judaic Studies (see page 368)
- Latin American Studies (see Spanish and Portuguese, page 449)
- Law and Internet Technology (see Engineering, page 627)
- Law and Public Policy (see Policy, Planning, and Development, page 817)
- Law and Society (see Political Science, page 415)
- Managing Human Relations (see page 102)
- Mathematical Finance (see page 103)
- Multimedia and Creative Technologies (see Engineering, page 632)
- Musical Theatre (see Music, page 764)
- Natural Science (see Biological Sciences, page 261)
- Neuroscience (see page 393)
- Nonprofits, Philanthropy and Volunteerism (see Policy, Planning, and Development, page 818)
- Pacific Rim Development (see Geography, page 336)
- Peace and Conflict Studies (see page 397)
- Performing Arts Studies (see Theatre, page 880)
- Political Organizing in the Digital Age (see Political Science, page 416)
- Psychology and Law (see Psychology, page 426)
- Public Policy (see Policy, Planning, and Development, page 818)
- Race, Ethnicity and Politics (see Political Science, page 415)
- Russian Area Studies (see Slavic Languages and Literatures, page 438)
- Southern California (see Geography, page 336)
- Thematic Approaches to the Humanities and Society (see Thematic Option, page 455)
- Theories of Art (see Philosophy, page 399)
- 3-D Animation (see Fine Arts, page 627)
- Urban Neighborhood Studies (see page 105)
- Video Game Design and Management (see Engineering, page 628)
- Visual Culture (see Art History, page 252)

## Programs

- Collaborative Learning Projects (see Learner Centered Curricula, page 373)
- Honors in Multimedia Scholarship (see Interdisciplinary Programs, page 103)
- Individual Programs of Study (see Learner Centered Curricula, page 373)
- Liberal Arts Modules (see Thematic Option, page 455)

## Graduate and Professional Programs

### Degrees

#### Master's Degrees

- Cell and Neurobiology (see Medicine, page 725)
- Clinical and Biomedical Investigations (see Medicine, page 712)
- Construction Management (see Policy, Planning, and Development, page 844)
- Digital Supply Chain Management (see Business, page 156)
- Medical Device and Diagnostic Engineering (see Engineering, page 566)
- Physiology and Biophysics (see Medicine, page 738)
- Public Diplomacy (see Communication, page 468)

#### Graduate Certificates

- Engineering Technology Commercialization (see Engineering, page 547)
- Optimization and Supply Chain Management (see Business, page 157)
- Sustainable Cities (see College of Letters, Arts and Sciences, page 454)
- System Safety and Security (see Engineering, page 624)
- Transportation Systems (see Policy, Planning, and Development, page 834)
- Urban and Global Studies (see page 105)
- Visual Studies (see Art History, page 253)

#### Doctor of Philosophy

- Computational Biology and Bioinformatics (see Biological Sciences, page 264)
- Molecular Pharmacology and Toxicology (see Pharmacy, page 798)
- Pathobiology (see Medicine, page 735)
- Pharmaceutical Sciences (see Pharmacy, page 798)
- Physiology and Biophysics (see Medicine, page 738)

## Interdisciplinary Programs

### Minor in Consumer Behavior

**Accounting 306**  
(213) 740-5033

This interdisciplinary minor explores consumer thinking from the perspectives of psychology, marketing, economics, anthropology, sociology and other departments interested in popular culture. Why do people form the attitudes and impressions they do? How do individual factors, culture, mass media, economics and social trends influence people's decisions?

As with all minors, students must include at least four upper-division courses and four courses dedicated exclusively to this minor (which may be the same four courses). Finally, students must select four courses outside their major department. Psychology majors must choose four courses outside of psychology; business majors must choose four

courses outside of the Marshall School of Business.

REQUIREMENTS		UNITS
Choose one of the following courses (4 units):		
BUAD 307	Marketing Fundamentals	4
PSYC 100	Introduction to Psychology	4
Choose one of the following courses (4 units):		
MKT 450	Consumer Behavior and Marketing	4
PSYC 355*	Social Psychology	4
SOCI 320	Social Psychology	4
Choose two of the following courses (8 units):		
ANTH 460	Economic Anthropology	4
COMM 302	Persuasion	4
ECON 336*	The Political Economy of Values	4
MKT 405*	Advertising and Promotion Management	4

MKT 410*	Personal Selling	4
ECON 432*	Economics of Happiness	4
PSYC 454*	Social Cognition	4
PSYC 457*	Applied Social Psychology	4

Choose one of the following courses (4 units):		
COLT 365	Literature and Popular Culture	4
COMM 384	Interpreting Popular Culture	4
ENGL 392	Visual and Popular Culture	4
HIST 380	American Popular Culture	4
MKT 470*	Marketing Research	4
PSYC 490x	Directed Research	4

\*Prerequisites required

(Please note that prerequisites will not be waived for upper-division courses; students must complete the introductory classes they will need.)

Total requirements: five courses      20 units

### Minor in Managing Human Relations

**College Academic Services Building**  
(213) 740-2534

This interdisciplinary minor is intended for students in all schools with an interest in human relations as a subject of study or professional goal. In addition to course work in organizational behavior, social psychology and management, this minor includes attention to questions of ethics and leadership.

As with all minors, students must include at least four upper-division courses and four courses dedicated exclusively to this minor (not used for credit toward a major, another minor or general education requirements). Finally, students must select four courses outside their major department. Students seeking the Bachelor of Arts in Sociology must choose four courses outside of sociology; those seeking the Bachelor of Science in Business Administration must choose four courses outside the Marshall School.

REQUIREMENTS		UNITS
Choose one course from the following (4 units):		
BUAD 304	Organizational Behavior	4
PSYC 355*	Social Psychology	4
SOCI 320	Social Psychology	4
Choose one course from the following (4 units):		
MOR 431*	Interpersonal Competence and Development	4
PSYC 457*	Applied Social Psychology	4
SOCI 340	Organizations: Bureaucracy and Alternatives to Bureaucracy	4
SOCI 342	Race Relations	4
SOCI 345	Social Institutions	4
Choose one course from the following list of classes on leadership (4 units):		
CLAS 370	Leaders and Communities: Classical Models	4
IR 303	Leadership and Diplomacy	4
MOR 470*	Global Leadership	4
MDA 325	Case Studies in Modern Leadership	4
MDA 365	The Art and Adventure of Leadership	4
PHIL 335	Theoretical Models of Leadership	4

Choose one course from the following list of classes on ethics (4 units):		
BUCO 425*	Public Communication in Ethics and Research	4
MOR 421*	Social and Ethical Issues in Business	4
PHIL 340	Ethics	4
REL 341	Ethics in a Technological Society	4
REL 375	Conflict and Change and the Ethics of Business	4

Choose one of the following three capstone classes (4 units):		
ECON 332*	Contracts, Organizations, and Institutions	4
ECON 471*	Economics of Labor Markets and Human Capital	4
MOR 471	Human Resources Management	4
SOCI 340	Work and the Workplace	4

\*Course has prerequisite or corequisite

Total requirements: five courses      20 units

## Minor in Mathematical Finance

**Kaprielian Hall 108**  
(213) 740-2400

This interdisciplinary minor was created for students in business, economics and mathematics, whose majors already require some of the introductory course work. Students in other programs are welcome but should expect the minor to require more units than it does for students in those programs.

As with all minors, students must include at least four upper-division courses and four courses dedicated exclusively to this minor (which may be the same four courses). Finally, students must select four courses outside their major department. Economics majors must choose four courses outside of economics; math majors must choose four courses outside of math; business majors must choose four courses outside of the Marshall School of Business. These may be the same courses used to meet the first two conditions.

REQUIREMENTS		UNITS
ECON 203	Principles of Microeconomics	4
ECON 205	Principles of Macroeconomics	4

Choose one of the following two sequences (8 units):

ECON 303*	Intermediate Microeconomic Theory	4
ECON 305*	Intermediate Macroeconomic Theory	4
or		
BUAD 350*	Macroeconomic Analysis for Business Decisions	4
BUAD 351*	Economic Analysis for Business Decisions	4

Choose two courses, one from each of the following pairs (8 units):

MATH 118x	Fundamental Principles of the Calculus, or	
MATH 125	Calculus I	4
MATH 218*	Probability for Business, or	
MATH 407*	Probability Theory	4

Choose two courses from the following list (8 units):

MATH 126 or MATH 127; MATH 225 or MATH 245; MATH 226 or MATH 227; MATH 408 or MATH 467

Choose one course from the following list (4 units):

BUAD 306, BUAD 310, ECON 350\*, ECON 357\*, FBE 441\*

Choose one course from the following list (4 units):

ECON 452\*, ECON 457\*, FBE 324\*, FBE 421\*, FBE 443\*, FBE 445\*, FBE 459\*, FBE 462\*, FBE 464\*

Choose one course from the following two (2 units):

ITP 165x, ITP 168x

\*Prerequisite required

Total requirements, for students with no prior course work: 42 units

Students majoring in business administration, economics or mathematics can meet many of these requirements with course work that also satisfies their majors. In addition to those classes, students in those majors must complete the following requirements:

- Business majors satisfy 24 units with course work that is also required for the major and need to complete only 18 units in MATH, ECON and ITP
- Economics majors satisfy 20-24 units with course work required for the major (including one major elective), needing only 18-22 units in BUAD, FBE, ITP and MATH
- Mathematics majors satisfy 16 units with course work required for the major, needing only 26 units in BUAD, ECON, FBE and ITP.

## Honors in Multimedia Scholarship

**EGG 202**  
(213) 743-2198  
FAX: (213) 747-8357  
Email: [imlhonors@cinema.usc.edu](mailto:imlhonors@cinema.usc.edu)  
[cinema.usc.edu/iml-honors](http://cinema.usc.edu/iml-honors)

*Director:* Anne Balsamo

### Program Overview

Honors in Multimedia Scholarship offers qualified undergraduate students an opportunity to learn new approaches to the production of knowledge through the critical application of multimedia expression and scholarship. The program is based on the premise that a century of mass media and the advent of digital communication have transformed the way ideas are expressed and understood across the university. 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. Students from all disciplines are encouraged to apply to the program.

The program includes a systematic introduction to the history, theory and practice of multimedia scholarship within a range of disciplinary and interdisciplinary contexts. Over the four-year program, students develop and refine their abilities to conduct research, author and publish work in methods appropriate to their specific field of study.

Students accepted into the Institute for Multimedia Literacy Honors in Multimedia Scholarship program participate in small 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 program of study.

Students are expected to integrate theory into the practice of multimedia scholarship; for this reason, courses include discussion of historical and theoretical material, instruction in basic research practices, as well as

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/or in conjunction with the university's general education requirements.

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

*Year 4:* Completion of a year-long project that demonstrates mastery of discipline-based multimedia authorship.

Upon successfully completing IML 101, students will fulfill the other requirements through specific courses in the general education program and courses in their major, minor or cognate field of study. Students meet with an IML advisor to provide a specific plan of course work that will satisfy Honors Program requirements culminating in a final capstone thesis seminar during their final year.

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) required 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, or
IML 104	Honors in Multimedia Scholarship: The Languages of New Media II
	4

Multimedia in the Core General Education course (indicated in the <i>Schedule of Classes</i> each semester.)		4
IML 346	Honors in Multimedia Scholarship: Methods in Scholarly Multimedia	2
IML 440	Honors in Multimedia Scholarship: Multimedia Honors Thesis Project I	4
IML 444	Honors in Multimedia Scholarship: Multimedia Honors Thesis Project II	4
MDA 140	Practicum in Multimedia Authorship (students must register in this lab concurrently with Multimedia in the Core GE course)	2
		20

### 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 in Multimedia Scholarship program 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. *Recommended preparation:* one course from the Multimedia in the Core General Education program.

**346 Honors in Multimedia Scholarship: Methods in Scholarly Multimedia (2, max 4, FaSp)** Emphasizing rigorous multimedia research and strategies for authorship within a disciplinary context, this course prepares students to undertake their thesis project. Open to students in the Honors in Multimedia Scholarship program only. *Prerequisite:* IML 101 or 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 in Multimedia Scholarship program only. Senior standing. *Prerequisite:* IML 101 or IML 104 and IML 346.

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

**490x Directed Research (2-8, max 8, FaSpSm)** Individual research and production. Not available for degree credit. *Prerequisite:* IML 101 or IML 104.

**499 Special Topics (4)** Selected topics in multimedia literacy. Open to students in the Honors in Multimedia Scholarship program only.

## USC Stevens Institute for Innovation

(213) 740-4481  
 FAX: (213) 740-9803  
 Email: pabeerel@usc.edu  
 stevens.usc.edu

*Faculty Director, Innovation Studies:*  
 Peter A. Beerel

The USC Stevens Institute for Innovation is a university-wide resource in the Office of the Provost designed to harness and advance creative thinking and breakthrough research at USC for the benefit of society. USC Stevens identifies, nurtures, protects and transfers the most exciting innovations from USC to the market, and, in turn, provides a central connection for industry seeking cutting-edge innovations in which to invest.

From the biosciences and technology to music and cinematic arts, USC Stevens connects faculty, students and the business community to create an environment for stimulating and inspiring innovation and innovators.

USC has many existing programs and courses spanning music industry, cinematic arts, fine arts, medicine, business and engineering that teach innovation. One of the goals of USC Stevens is to identify, nurture and promote these courses across USC. Engineers and science students may be particularly interested in the undergraduate minor and a graduate certificate in engineering technology commercialization.

*"Research universities in the 21st century not only will be judged by the quality of their research and the quality of their students, but also by how successful they are in transferring innovation into the marketplace in order to meet societal needs."*

C.L. Max Nikias  
 Provost, University of Southern California

### Graduate Certificates

- Graduate Certificate in Engineering Technology Commercialization, page 547
- Graduate Certificate in Technology Commercialization, page 157

**Undergraduate Minors**

- Minor in Biotechnology (combines science and business courses), page 261
- Undergraduate Minor in Engineering Technology Commercialization, page 543
- Minor in Video Game Design and Management, page 628

**Innovation Coursework**

- AME 503 Advanced Mechanical Design
- BAEP 551 Introduction to New Ventures
- BAEP 556 Technology Feasibility
- BAEP 557 Technology Commercialization
- BUAD 301 Technological Entrepreneurship
- CTIN 488 Game Design Workshop
- ENGR 493 Dean’s Seminar in Entrepreneurship

- FA 436 Art and Technology
- ISE 545 Technology Development and Implementation
- MOR 467 Strategic Management of Technology and Innovation
- MOR 561 Strategies in High Tech Businesses
- MPTX 511 Regulation of Pharmaceutical and Biological Products
- MUIN 496 Music Media Solutions

**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 School of Architecture, Rossier School of Education, School of Social Work and School of 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)		UNITS
URBN 375	The Urban Neighborhood	4
URBN 475	Urban Practicum	4

**ELECTIVE COURSES**

One course each selected from three of the four schools:

ELECTIVE COURSES		UNITS
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, Sp)** 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.