

# Minors and Certificates

## Requirements for completing a minor

Students must officially declare a minor using the Declare a Major or Minor form available from the Office of Enrollment Services (GWP 102) or on the UW Tacoma website and submitting it to their academic adviser.

Minors do not have prerequisites and do not require any additional application materials.

To successfully complete a minor, students must achieve a **minimum 2.0 cumulative grade point average (GPA) for all courses involved in the minor**. The student's DARS report (available through MyUW) for the minor keeps track of this GPA.

## Applied Computing Minor

Contact an adviser in the Institute of Technology at 253-692-5860 to learn more about this minor.

The minor in Applied Computing is designed for students who want to be sophisticated users of computing technology and principals in their field, but do not seek extensive programming experience. The minor offers grounding in basic computing skills and principles and key technologies such as database management and computer networks. It also provides the student the opportunity to integrate these skills into his or her major field.

The minor in Applied Computing does not require computer proficiency or prerequisites. This minor consists of five courses: three core courses designed to offer depth in computing skills and concepts and two to encourage breadth of experience.

### Requirements

The Applied Computing minor requires **25 credits** to include:

### Core courses (15 credits)

- TINST 310 Computational Problem Solving
- TINST 311 Database Management and Data Analysis

- TINST 312 Computer Networks and the Internet

### Elective courses (10 credits)

Students must choose one course from each list to fulfill the 10 elective credits:

#### ■ List A (5 credits):

- TINST 401 Technology in the Service of Society
- TINST 475 Entrepreneurship in Computing and Software Systems
- TINST 490 Special Topics in Applied Computing
- TINST 498 Directed Readings in Applied Computing
- TINST 499 Research in Applied Computing
- TCSS 452 Human-Computer Interface
- TCSS 481 Computer Security

#### ■ List B (5 credits):

- A second TINST elective from List A
- TACCT 330 Introduction to Accounting Information Systems
- TBUS 301 Quantitative Analysis for Business
- TCSIG 330 Inquiry and Research in the Social Sciences
- TESC 100 Introduction to Environmental Science
- TESC 107 Geohazards and Natural Disasters
- TESC 120 Introductory Biology I
- TESC 122 Physics: Electromagnetism and Oscillatory Motion
- TESC 123 Physics: Waves
- TESC 130 Introductory Biology II
- TESC 140 Introductory Biology III
- TESC 215 Meteorology
- TESC 236 Plants and People: the Science of Agriculture
- TESC 239 Energy and the Environment
- TESC 243 Geography of the Physical Environment
- TESC 315 Applied Physics with Environmental Applications
- TESC 333 Environmental Chemistry
- TESC 340 Ecology and Its Applications
- TESC 345 Pollution and Public Policy
- TESC 362 Introduction to Restoration Ecology
- TESC 404 Costa Rica Field Studies: Ecology and Community
- TESC 433 Pollutant Fate and Transport in the Environment
- TESC 435 Limnology

- TESC 445 Estuarine Field Studies
- TGIS 311 Maps and GIS
- TIBCG 437 Technology in the Modern World
- TQS 210 Intermediate Statistics with Applications
- TSOCWF 424 Information Technology and Human Service Practice

*Note:* Some required courses may be taken out of sequence to accommodate student schedules.

## Asian Studies Minor

Contact an adviser in Interdisciplinary Arts and Sciences at 253-692-4450 to learn more about this minor.

The Asian Studies minor offers students the opportunity to develop a well-rounded understanding of the countries and cultures of Asia. The courses enable students to fit the Asian experience into a theoretical context of global patterns of modernization and economic development while focusing on specific historical and cultural elements in Asian countries.

### Requirements

The Asian Studies minor requires **30 credits** to include:

- 10 credits from the following list of framework courses:
  - TCOM 430 Global Networks, National Identities
  - TCOM 460 Communication and National Development
  - TCOM 461 Media and Identity in Asia
  - TSMG 313 Theories of Economic Development and Social Change
  - TSMIN 418 Interpreting Enigmatic India
  - TSMIN 424 Imperial China
  - TSMIN 322 Comparative Perspectives on East Asian and Latin American Development
  - TSMIN 436 Contemporary Chinese Culture and Society
  - T URB 430 Pacific Rim Cities

■ 20 credits from the following list of content courses:

- TCHIN 101 First-Year Chinese
- TCHIN 102 First-Year Chinese
- TCHIN 103 First-Year Chinese
- TCXIN 281 Art and Culture in India
- TCXIN 282 Art and Culture in China
- TCXIN 283 Art and Culture in Japan
- TIBCIN 220 Premodern East Asia
- TIBCIN 366 Islam
- TIBCIN 367 East Asian Religions: Zen and Taoism
- TIBCIN 463 God: East and West
- TSMIN 412 History of Vietnam
- TSMIN 413 Premodern Japan
- TSMIN 414 Modern China
- TSMIN 415 Modern Japan
- TSMIN 416 Modern Korea
- TSMIN 434 The Pacific War

Credit for study in Asia may count toward credit for coursework. See an adviser for details.

### **Business Administration Minor**

Contact an adviser in the Milgard School of Business at 253-692-5630 to learn more about this minor.

The minor in Business Administration is designed for undergraduate students in any non-business major or program to increase their understanding of business theory, practices, and applications within a wider economic and social context. The curriculum is designed to emphasize critical competencies, including strategic thinking, integrated business knowledge, communication and teamwork needed by students with a broad range of interests to succeed in the 21st century.

The minor requires 30 credits (minimum of 20 credits in residence). There are four specific courses required for a total of 20 credits. An additional 10 credits of 300-400 level electives, which should generally be taken after completion of all required courses, are selected from an approved list of classes.

Students may request to transfer in up to 10 credits to be applied toward the required courses. The student must maintain an average 2.0 GPA in each course required to earn the minor. Additionally, a student must earn at least a 2.0 GPA in both TACCT 210 and TFIN 220. At least three courses for the Business minor must be taken at the upper-division (i.e. 300-400) level.

#### **Learning Outcomes**

1. To recognize the social, political, ethical, and environmental consequences of management decisions.
2. To understand group and individual dynamics in organizations.
3. Diagnose complex organizational problems and design effective solutions.

4. Understand basic financial statement analysis and reporting.
5. To evaluate an organization's market, competitive position, and customers, in order to make effective decisions regarding organizational focus and resource deployment.

Courses are 5 credits unless otherwise noted.

#### **Required Courses (20 credits)**

- T ACCT 210: Introduction to Financial Accounting
- TBECON 220: Introduction to Microeconomics
- T BUS 300: Managing Organizations
- T BUS 320: Introduction to Marketing Management

#### **Elective Courses (10 credits)**

- T BGEN 412: Ethical Issues in Business
- T BUS 330: Introduction to Information Technology
- T MGMT 430: Managing the Workforce
- T MGMT 433: Managing Organizational Diversity
- T MGMT 452: The Dynamics of Leadership
- T MGMT 455: Managing and Motivating Work Teams
- T MGMT 457: Negotiation and Conflict Management
- T MGMT 475: Creating, Leading, and Implementing Change
- T MGMT 478: International Business
- T MGMT 480: Intl. Management
- T MKTG 348: Social Marketing
- T MKTG 355: Professional Sales
- T MKTG 425: Advertising
- T MKTG 445: Services Marketing
- T MKTG 450: Consumer Marketing
- T MKTG 460: Research Methods

*Other electives as approved by a Milgard School of Business academic adviser in consultation with Business faculty.*

### **Computing and Software Systems Minor**

Contact an adviser in the Institute of Technology at 253-692-5860 to learn more about this minor.

The minor in Computing and Software Systems focuses on computer programming, problem solving and how software is designed to meet diverse human needs. The minor emphasizes fundamental skills that apply to current computer-based technologies, such as dynamic web pages, and that will remain applicable to the next generation of computing devices. Coursework in the minor balances theoretical underpinnings of

computing with the pragmatics of hands-on practice in developing a variety of software projects.

#### **Prerequisites**

- Calculus (MATH 124 or equivalent)
- Probability/Statistics (TQS 110 or equivalent)
- TCSS 142 or equivalent
- TCSS 143 or equivalent

#### **Requirements**

The CSS minor requires **30 credits** to include:

- TCSS 305: Programming Practicum
- TCSS 321: Discrete Structures
- TCSS 342: Data Structures
- TCSS 360: Software Development and Quality Assurance Techniques
- TCSS 371: Machine Organization
- One additional 300- or 400-level TCSS course

### **Criminal Justice Minor**

Contact an adviser in Social Work at 253-692-5820 to learn more about this minor.

The minor in Criminal Justice is designed to prepare students to work in a variety of criminal justice settings and cultivate an appreciation for the complexities of justice, crime and corrections. The curriculum is designed to provide a foundation for students who are interested in a career in criminal justice settings as a specialty of their major field, students interested in issues of justice and crime, or non-matriculated students who are already employed in criminal justice settings and seek additional coursework as a means of advancing their careers.

#### **Learning Outcomes**

- Students will gain an understanding of the origins of criminal behavior, society's responses to crime and delinquency and the consequences of crime for our society.
- Students will become sensitized to the human impacts of criminal justice policies including differential impacts of race/ethnicity, social class, age, and gender.
- Students will be grounded in theoretical and empirical knowledge, values and skills related to criminal justice as they develop into competent professionals.
- Students will gain an understanding of the consequences of incarceration on the families of the incarcerated, especially as it relates to parent-child relationships.
- Students will recognize the multiple needs of the victims of criminal behavior, including crisis and trauma interventions.

- Students will become knowledgeable about special populations in the criminal justice system including sex offenders, the chemically dependent, and individuals with mental illness.

### Requirements

The minor requires **30 credits** (minimum of 20 credits in residence). There are four core courses required for a total of 20 credits and an additional 10 credits of electives chosen from an approved list of classes. At least 15 credits (core and elective combined) must be taken at the upper-division (300-400) level.

Students may request to transfer in up to 10 credits to be applied toward the required courses. The student must maintain an overall cumulative GPA of 2.0 in all criminal justice minor course work and a minimum 2.0 GPA in each course required to earn the minor.

### Core Courses (20 credits)

- T CRIM 200 Introduction to Criminal Justice (5)
- T CRIM 271 Introduction to the Sociology of Deviance and Social Control (5)
- T CRIM 360 Youth and Juvenile Justice Systems (5)
- T CRIM 361 Addictions and Mental Illness in Criminal Justice (5)

### Approved Electives (10 credits)

All courses are five credits unless otherwise noted. Other electives may be approved by a Social Work Program academic adviser in consultation with faculty.

- T CRIM 352 Women in the Criminal Justice System
- T CRIM 362 Special Populations in Corrections (including sex offenders, aging prisoners, military-connected offenders) (*under development*)
- T CRIM 430 Children of Incarcerated Parents
- T CRIM 431 Alternative Sentencing and Placement Models (*under development*)
- T CRIM 432 Criminal Law (*under development*)
- T CRIM 433 Crisis and Trauma Interventions with Crime Victims
- TCSIUS 452 Minorities and the Law
- TCSS 490 Special Topics: Computer Forensics
- THLTH 425 Violence in Intimate Partner Relationships
- TPSYCH 210 Abnormal Psychology (*prerequisite: TPSYCH 100*)
- TPSYCH 240 Social Psychology (*prerequisite TPSYCH 100*)
- TPSYCH 301 Psychology of Adjustment
- TPSYCH 321 Adolescent Psychology
- TPSYCH 340 Mental Illness Across Cultures (*prerequisite TPSYCH 210*)
- TPSYCH 401 Family Violence

- TPSYCH 402 Chemical Dependency
- TPSYCH 421 Social Psychology, Law and Society
- TSOCWF 420 Interpersonal Violence and Society
- TSMUS 320 American Constitutional Law
- T URB 312 Race and Poverty in Urban America

### Education Minor

Contact an adviser in *Interdisciplinary Arts and Sciences* at 253-692-4450 to learn more about this minor.

This minor is designed to help students interested in teaching to meet the course requirements for applying to K-12 certification programs. By offering a choice of relevant courses in both IAS and Education, including a “hands-on” practicum in a public school classroom, the minor provides the opportunity to gain broad perspectives on educational issues in today’s world.

### Requirements

The minor in Education requires a minimum of **29 credits** of coursework including a 14-credit core. Any course taken for the purpose of fulfilling a Teacher Certification program curriculum requirement or prerequisite must be passed with a 2.0 minimum grade. A 3.0 GPA is required for admission to the Teacher Certification program. Students should consult with a program adviser prior to enrolling in classes.

#### ■ Education Core (14 credits):

All three courses below:

- TEDUC 471 Diversity and Equity in Schools and Curriculum (3)
- TEDUC 482 Schools in American Society (3)
- TEDUC 490 Service Learning Practicum in Education (3) \*

Plus one of the following courses:

- TPSYCH 220 Lifespan Development (or equivalent transfer course) \*
- TPSYCH 320 Theories of Child Development (or equivalent)\*

#### ■ Electives (15 credits):

Select one course each from lists A, B and C.

Children and Youth (List A):

- TCOM 258 Children and Television
- TPSYCH 212 Child and Adolescent Abnormal Psychology
- TPSYCH 230 Educational Psychology
- TPSYCH 321 Adolescent Psychology
- TPSYCH 401 Family Violence

U.S. History and Diversity (List B):

- TCSIG 265 Race and Ethnicity in the United States
- TCSIUS 220 African American History: 1619-1865
- TCSIUS 221 African-American History: 1865-1945
- TCSIUS 222 African-American History: 1945-present

- TCSIUS 349 Minorities and Higher Education in American History
- TCSIUS 441 Black Freedom Movement in Perspective
- TCSIUS 443 Ethnicity and the Urban Landscape
- TCXUS 238 Hispanics in the United States
- TIBCUS 451 Cultural Studies
- TIBCUS 459 African-American Culture and Consciousness
- TIBCUS 464 Native American Cultural Areas
- TIBCUS 466 Life and Thought: Martin Luther King, Malcolm X and Angela Davis
- TPOLS 201 Introduction to Political Values and Ideas
- TSMUS 200 American History I: 1607-1877\*
- TSMUS 201 American History II: 1877-present \*
- TSMUS 300 The Making of America\*
- TSMUS 410 Early American Politics and Law: The American Revolution
- TSMUS 420 Economics of Education
- T URB 360 The African American Urban Experience

Group C: Supporting Courses (5 credits)  
Art, Science and Writing that support K-8 teaching. Select one course from any of the following areas:

- Art History and Studio practice
- TCXG 230 History of World Culture: Prehistory to the Classical Age
- TCXG 240 Landscape in Contemporary Art
- TCXG 242 Studies in English Literature
- TCXG 284 3-Dimensional Art and Contemporary Approaches to Sculpture
- TCXG 377 Art of the Americas \*
- TCXG 382 2-D Design and Contemporary Approaches in Art
- TCXG 383 South Sound Contemporary Art: Creativity and the Art of Seeing
- TCXG 386 Contemporary Art and Studio Drawing
- TCXG 470 The Material World: Art and Artifacts
- TCXG 471 Culture and the Meaning of Visual Arts\*
- TCXIN 281 Art and Culture in India
- TCXIN 282 Art and Culture in China
- TCXIN 283 Art and Culture in Japan
- TCXIN 284 Art and Culture in the Pacific
- TCXIN 477 Patronage, Religion and Propaganda in European Art (1590-1750)
- TCXIN 478 Revolution, Industrialization, and Modernity in European Art (1780-1900)
- TCXUS 371 History of Rock & Roll
- TCXUS 383 Early American Music, Art, Literature, Education and Theater\*
- TCXUS 471 History of Jazz

\* Course also fulfills UW Tacoma Teacher Certification prerequisite.

Science	
TEDUC 495	Environmental Education
TESC 100	Introduction to Environmental Science*
TESC 107	Geohazards and Natural Disasters
TESC 215	Meteorology
TESC 232	Issues in Biological Conservation
TESC 236	Plants and People: the Science of Agriculture
TESC 241	Oceanography*
TESC 243	Geography of the Physical Environment *
TESC 247	Maritime History and Science in the Pacific Northwest
TESC 422	Evolution
Writing	
TCXG 373	Introduction to Writing Poetry
TCXG 381	Introduction to Creative Writing: Fiction
TCXG 464	Teaching Writing
TCXG 484	Writing Creative Non-Fiction
TWRT 272	Intermediate Academic Writing
TWRT 374	Advanced Disciplinary Writing: Humanities, Natural Sciences and Social Sciences

## Environmental Studies Minor

Contact an adviser in *Interdisciplinary Arts and Sciences* at 253-692-4450 to learn more about this minor.

The Environmental Studies minor gives students who are interested in environmental issues a good grounding in the principles of this field. For students interested in the various aspects of the environment, such as science, law, economics, history, policy, health, education, psychology, and justice, this minor offers a range of courses to choose from as well as the basic science. No prerequisites are needed. For students from all majors, this minor can be useful in obtaining the perspectives that make them more successful job applicants, as well as more informed employees and citizens.

### Requirements

The minor in Environmental Studies requires **25 credits** to include:

- TESC 100: Introduction to Environmental Science
  - Five credits of a biological science (B) course and five credits of a physical science (P) courses from the list below:
- |          |                                      |
|----------|--------------------------------------|
| TESC 107 | Geohazards and Natural Disasters (P) |
| TESC 117 | Physical Geology (P)                 |
| TESC 120 | Introductory Biology I (B)           |
| TESC 130 | Introductory Biology II (B)          |
| TESC 140 | Introductory Biology III (B)         |
| TESC 141 | General Chemistry I (P)              |
| TESC 151 | General Chemistry II (P)             |

TESC 161	General Chemistry III (P)
TESC 213	Physical Forces in the Natural World (P)
TESC 215	Meteorology (P)
TESC 227	Earth History (P)
TESC 236	Plants and People: The Science of Agriculture (B)
TESC 238	Human Interactions with Marine Invertebrates (B)
TESC 239	Energy and the Environment (P)
TESC 241	Oceanography (P)
TESC 243	Geography of the Physical World (B)
TESC 247	Maritime History and Science of the PNW (P)
TESC 302	Ecology of Mt. St. Helens (B)
TESC 304	Tropical Ecology and Sustainability (B)
TESC 311	Maps and GIS (P)
TESC 315	Applied Physics with Environmental Applications (P)
TESC 317	Geology, Landscape and Culture (P)
TESC 318	Biogeography (P or B)
TESC 319	Water Quality Concepts and Watershed Studies (P)
TESC 321	Soils and Environmental Applications (P)
TESC 329	Geomorphology and Soils (P)
TESC 332	Biological Conservation (B)
TESC 333	Environmental Chemistry (P)
TESC 337	Environmental Geology (P)
TESC 340	Ecology and its Applications (B)
TESC 343	Atmosphere and Air Pollution (P)
TESC 345	Pollution and Public Policy (P)
TESC 349	Research at Sea (P or B)
TESC 362	Introduction to Restoration Ecology (B)
TESC 378	Environmental Microbiology (B)
TESC 402	History and Ecology of Biological Invasions (B)
TESC 404	Costa Rica Field Studies: Ecology and Community (B)
TESC 408	Marine Plankton (B)
TESC 415	Sedimentology (P)
TESC 417	Field Geology (P)
TESC 422	Evolution (B)
TESC 431	Water Resources and Pollution (P)
TESC 433	Pollutant Fate and Transport in the Environment (P)
TESC 434	Biology/ History/Politics of Salmon in the PNW (B)
TESC 435	Limnology (P)
TESC 438	Environmental Biology: Marine Invertebrates (B)
TESC 440	Environmental Entomology (B)
TESC 442	Marine Ecology (B)
TESC 445	Estuarine Field Studies (B/P)
TESC 446	Field Mycology (B)
TESC 452	Plants, Insects and their Interactions (B)
TESC 462	Restoration Ecology Capstone Course I (B)
TESC 463	Restoration Ecology Capstone Course II (B)
TESC 464	Restoration Ecology Capstone Course III (B)

- Five credits of an environmental ethics or philosophy course from the following list:
 

TIBCG 363	Philosophical Perspectives on the Environment
TIBCG 456	Environmental Ethics
- Five credits of a law/policy course from the following list:
 

TCSIUS 438	Environmental Law
TEST 333	Environmental Policy Application and Compliance
TSMUS 421	Environmental Policy

## Health and Society Minor

Contact an adviser in *Nursing* at 253-692-4470 to learn more about this minor.

The Health and Society minor is open to all non-nursing UW Tacoma students. The Health and Society minor offers students the opportunity to increase their understanding of, and advocacy for, health within a broad social context. The courses enable students to make use of valid sources of information, to understand health policy, and to examine individual, community, environmental, and global health issues. The Health and Society minor provides a valuable study option for students with allied health work experience or students interested in the health care sector.

### Requirements

All courses must be completed with a minimum grade of 2.0. The minor in Health and Society requires **28 credits** to include:

- T HLTH 310: Health, Illness and Society (5 credits)
- TNURS 407: Diversity: Issues of Exclusion and Inclusion (3 credits)
- 20 credits from among the following courses:
 

T HLTH 320	Promoting Health Through Social Marketing
T HLTH 325	Medical and Ethical Issues in Literature and Culture
T HLTH 410	Environmental Equity
T HLTH 415	Representations of Health Policy and Ethics in Film
T HLTH 420	Holistic Health
T HLTH 425	Violence in Intimate Partner Relationships
T HLTH 430	Adolescent Health in Context
T HLTH 435	Women's Health, Women's Lives
T HLTH 440	Business of Health Care
T HLTH 470	Challenges and Controversies in U.S. Health Care
T HLTH 472	Human Health and the Environment
T HLTH 480	Death and American Society
T HLTH 485	Critical Issues in Global Health
TNURS 402	Families in Society
TNURS 410	Ethical Issues in Clinical Practice

## Hispanic Studies Minor

Contact an adviser in *Interdisciplinary Arts and Sciences* at 253-692-4450 to learn more about this minor.

Hispanic Studies combines proficiency in the Spanish language with a general knowledge of the cultural, historical and political framework of Spanish America. It also promotes an awareness of Hispanic culture in the United States. This interdisciplinary minor draws on traditional fields such as second-language acquisition, history, literary analysis and criticism, film studies, art history, political science, and sociology. It emphasizes the interrelationship between language and culture and trains people to interact with native speakers of Spanish more effectively.

### Requirements

The minor in Hispanic Studies requires **25 credits** to include:

■ 10 credits of Spanish language skills:\*

TSPAN 301	Intensive Spanish: Reading
TSPAN 302	Intensive Spanish: Conversation
TSPAN 303	Intensive Spanish: Writing
TSPAN 393	Foreign Study

■ 15 credits of Hispanic Studies courses:\*

TCSIIN 435	Popular Movements in Latin America
TCSIIN 441	Mexican Cinema and Society
TCXIN 277	Latin American Literature
TCXIN 376	Hispanic Film
TCXIN 377	Mexican Literature and the Search for National Identity
TCXIN 400	Afro-Hispanic Culture
TCXIN 461	Contemporary Mexican Culture
TCXIN 462	Women in Latin America
TCXIN 463	Contemporary Cuban Culture
TCXIN 464	The Arts, Cultures and History of Mexico (study abroad; 12 cr.)
TCXIN 465	Latin American Visual Arts
TCXIN 476	Latin American Women Writers
TCXIN 490	Contemporary Spanish Culture
TCXUS 228	Hispanics in the United States
TIBCIN 461	Religion and Church in Latin America
TIBCIN 490	Society and Culture in Cuba (study abroad; 15 cr.)
TSMIN 224	Modern Latin America
TSMIN 323	The Making of Mexico
TSMIN 326	Modern Brazil
TSMIN 410	Caribbean Basin: Selected Topics

## Human Rights Minor

Contact an adviser in *Interdisciplinary Arts and Sciences* at 253-692-4450 to learn more about this minor.

The Human Rights minor is a tri-campus, interdisciplinary minor open to undergraduate students from all programs and departments of the University of Washington. Students who are interested in social justice or international law and politics will find this new option to be of particular interest.

Students are highly encouraged to take courses from the other two campuses as well as UW Tacoma to complete this minor. The expertise available on all three campuses has the potential to make the experience a richer one, providing more choices for internships and specialization of study within the minor. This information is provided to students who want a summary of the UW Tacoma offerings.

### Requirements

The Human Rights minor requires **25 credits** to include the following:

■ 10 credits of courses concerned with human rights (i.e., as defined in the Universal Declaration of Human Rights) as a core concept.

TCSIG 452	Political Theory of Human Rights
TIBCG 200	Introduction to the Philosophy of Human Rights
TIBCG 452	Anti-Semitism and the Holocaust
TPOLS 368	The Politics and Law of International Human Rights
TSMIN 311	International Human Rights
TSMIN 420	Theories of Political Violence
TSMIN 421	Human Rights in Emerging Democracies: Eastern Europe and Latin America
TSMIN 422	International Humanitarian Law

(Faculty offering appropriate courses may approve substitutions.)

■ 5 credits of courses concerned with human rights in a broad context, e.g. poverty, race/ethnicity, gender.

TCSIIN 435	Popular Movements in Latin America
TCSIIN 436	Rural Societies and Development
TCSIUS 221	African American History: 1865-1945
TCSIUS 222	African American History: 1945-Present
TCSIUS 335	Social Class and Inequality
TCSIUS 340	History of U.S.-American Indian Relations
TCSIUS 441	Black Freedom Movement

TCSIUS 452	Minorities and the Law
TCSIUS 456	Community and Labor Organizing: A Multicultural Perspective
TCXUS 384	African American Women's Literature
TCXUS 385	African American Literature from Slavery to the Present
TCXUS 478	Literature of the Harlem Renaissance
TIBCIN 352	Cultural Geography
TIBCUS 459	African-American Culture and Consciousness
TSMG 313	Theories of Economic Development and Social Change
TSMIN 312	19th Century Revolutions and Revolutionaries
TSMIN 330	Globalization in Latin America
TSMIN 425	Contemporary Issues in International Political Economy
TSMIN 433	Exploring Nazism
TSMUS 413	Civil Rights, Civil Liberties
TSMUS 415	Labor Research Practicum
T URB 314	Gender and the Urban Landscape
T URB 316	Cities and Citizenship: Researching Inequalities in Urban Settings

(Faculty offering appropriate courses may approve substitutions.)

■ 10 additional credits from either of the above lists.

■ At least 3 credits (of the 25 required) must be in a human-rights-related internship, practicum, international study abroad or demonstrated equivalent.

TIAS 496	Internship (in consultation with a human rights faculty adviser)
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## Museum Studies Minor

Contact an adviser in *Interdisciplinary Arts and Sciences* at 253-692-4450 to learn more about this minor.

The minor in Museum Studies familiarizes students with museum theory, philosophy, and practice. It aims to prepare students for graduate studies in museology, museum management and entry-level positions in the field. A general track encompasses shared practices that involve registration, curatorial approaches, conservation, fundraising and general management. A specialized track focusing on art museums explores issues that are particular to the academic disciplines associated with those institutions, such as art criticism, connoisseurship, and the art market. The unique location of UW Tacoma within a central campus of museums and its proximity to major metropolitan areas provides students with numerous internship and job placement opportunities

\* Students who are diagnosed as native speakers or at an advanced level of proficiency (4 or higher on the ACTFL scale) are not required to take the language classes. These students should take an additional 10 credits from list B.

## Requirements

The minor in Museum Studies requires **40-45 credits** to include:

- 10 credits of core courses:
  - TIBCG 448 Cultural Administration and Policy
  - TIBCG 449 Museum Studies Curatorial Theory and Practice (*under development*)
- 15 credits from the General or Art Museum Tracks:
  - General Museum Track
    - TCXG 470 The Material World: Art and Artifacts
    - TCXG 480 Contemporary Art and Society: 1945 to the Present
    - TCSIG 430 Introduction to Public History
    - TCXG 335 History of Photography
    - TCXG 377 Art of the Americas
    - TIBCIN 450 Contemporary Theories of Culture
  - Art Museum Track
    - TCXG 335 History of Photography
    - TCXG 377 Art of the Americas
    - TCXG 469 Art Theories, Methods, Philosophies
  - TCXIN 477 Patronage, Religion and Propaganda in European Art (1590-1750)
  - TCXIN 478 Revolution, Industrialization, and Modernity in European Art (1780-1900)
  - TCXIN 479 Modern European Art
  - TCXIN 480 Contemporary Art and Society: 1945 to the Present
  - TCXUS 276 American Architecture
  - TCXG 471 Culture and Meaning in the Visual Arts
- 10 credits from the following list:
  - TCSIG 431\* Organizational Development
  - TCSIUS 348 Leading a Nonprofit Organization in the 21st Century
  - TCSIUS 431\* Community Organizations and the Nonprofit Sector
  - TCSIUS 433 Organizational Systems and Change
  - TCSIUS 451\* Essentials of Grant Writing and Fundraising
- 5-10 credits of an internship:
  - TIAS 496\* Internship(s) with a focus in Museum Studies certified by supervising instructor

*\*These courses are also part of the Minor in Nonprofit Management. Students may wish to pursue these two minors in combination.*

## Nonprofit Management Minor

Contact an adviser in *Interdisciplinary Arts and Sciences at 253-692-4450* to learn more about this minor.

This minor in Nonprofit Management offers students the opportunity to develop competencies in, among other things, community building, volunteer management, budgeting, grant writing and fundraising, as well as to gain a better understanding of current societal challenges. Students will also gain valuable professional experience through supervised internships in local nonprofit agencies. These internships provide students with important real-world challenges, as well as the opportunity to develop networks leading to meaningful and exciting careers improving the communities in which they live.

### Requirements

The Nonprofit Management minor requires **25 credits** to include the following:

- TCSIUS 431 Community Organizations and the Nonprofit Sector
- TCSIG 431 Organizational Development or TBUS 300 Managing Organizations
- TCSIUS 451 Essentials of Grant Writing and Fundraising
- TCSIUS 457 Nonprofit Management Capstone
- TIAS 496 Internship

### Public History Minor

*Offered by Interdisciplinary Arts and Sciences. Check with an IAS adviser to learn which concentrations are most compatible with this minor.*

Public history engages with the past and its presentation to the public by training historians to be active participants in society. This interdisciplinary field draws on traditional historical scholarship while incorporating knowledge and methods from a variety of other disciplines including art history, anthropology, historic preservation, and library science. Public historians learn how to convey history to a wide range of audiences using new and innovative methods. Most importantly, public historians strive to teach the public about the value of history and the need to learn about the past to better understand the present and shape the future.

Over the past two decades an explosion in the number of museums, historical societies and historic sites has led to increased demand for public historians. These historians work as consultants,

archivists, historic preservationists, curators, educators, oral historians, media and public relations professionals and public policy analysts. Students interested in history or education would benefit from this minor by having the opportunity to apply their historical knowledge to the public sphere. This minor develops skills in historical research and methods, complementing IAS concentrations (e.g., Arts, Media, and Culture; American Studies). An internship component allows students to gain hands-on experience working for a local or regional organization in the field of public history. The South Puget Sound region has numerous opportunities for internships, including a number of institutions just steps away from the UW Tacoma campus.

### Requirements

The Public History minor requires **35 credits** to include the following:

- U.S. History Core: 10 credits
  - TSMUS 200 American History I: 1607-1877
  - TSMUS 201 American History II: 1877-present
- History Elective: 5 credits (List A)
  - TCSIG 436 North American Regions
  - TCSIIN 438 Urbanization and the Environment
  - TCSIUS 437 Doing Community History
  - TCSIUS 441 Black Freedom Movement in Perspective
  - TCSIUS 445 History of Tacoma
  - TCSIUS 450 Black Labor
  - TCXUS 238 Hispanics in the U.S.
  - TCXUS 276 American Architecture
  - TCXUS 371 History of Rock and Roll
  - TCXUS 383 Early American Music, Art, Literature, Education, and Theater
  - TCXUS 471 History of Jazz
  - TCXUS 482 American Folklore
  - TESC 247 Maritime History and Science in the Pacific Northwest
  - TEST 221 Environmental History: Water
  - TEST 332 A Natural History of Garbage
  - T GH 301 Global Interactions\*
  - TIBCG 437 Technology in the Modern World
  - TIBCUS 464 Native American Cultural Areas
  - TSMIN 200 International Interactions
  - TSMUS 321 Civil War
  - TSMUS 322 American Labor Since the Civil War
  - TSMUS 410 Early American Politics and Law
  - TSMUS 413 Civil Rights, Civil Liberties
  - TSMUS 419 Robber Barons and the Philosophy of Business
- Public History and Research Core: 15 credits (List B)
  - TCXG 470 The Material World: Art and Artifacts
  - TIBCUS 430 Introduction to Public History
  - TIAS 496 Internship (5 credits max) contact faculty adviser for details

- Architectural, Art, or Local History Elective: 5 credits (List C)
- TCSIUS 445 History of Tacoma
- TCSIUS 437 Doing Community History
- TCXUS 276 American Architecture
- TIBCG 448 Cultural Administration and Policy
- TIBCG 449 Museum Studies

*\*Must be enrolled in Global Honors to take this course.*

## Urban Studies Minor

*Offered by Urban Studies. Check with an Urban Studies adviser to learn more about this minor.*

Urban Studies is multidisciplinary by nature and, hence, can serve to complement a variety of degree programs at UW Tacoma. The Urban Studies minor is intended to provide students from other programs an understanding of and appreciation for urban issues and problems.

### Requirements

The Urban Studies minor requires **30 credits** to include the following:

- Core Courses (10 credits):
  - T URB 301 The Urban Condition
 and
  - T URB 430 Pacific Rim Cities *or* T URB 460 Cities in the Developing World
- Core Electives (15 credits):
  - Select 15 credits from approved Urban Studies core elective list, to include at least one 400-level course.
- Capstone Course (5 credits)
  - T URB 492 Urban Studies Capstone Seminar

## Geographic Information Systems (GIS) Certificate

*Offered by Urban Studies and Environmental Science. Check with an adviser in Urban Studies to learn more about this certificate.*

The Certificate in Geographic Information Systems (GIS) provides students with a robust curriculum in the theories and techniques that form the foundation of digital geospatial visualization and analysis. Working both independently and in small groups, students become skilled in the methods that are commonly used to 1) collect and analyze spatial data, and 2) create maps and other graphical representations of these data. Skills gained during the nine-month course of study are theoretical, analytical and practical, and can be applied in a wide range of academic, municipal, environmental and commercial contexts. Demand for individuals with training in GIS is typically high in industries such as urban and regional planning, research and

advocacy, resource management, marketing, and various branches of government. This program is designed primarily for students with moderate to no experience working with GIS.

### Requirements

The GIS Certificate requires **24 credits** to include the following (all courses must be completed with a minimum grade of 2.0):

- TGIS 311 Maps and GIS (6)
- TGIS 312 Intermediate GIS (6)
- TGIS 313 Applied GIS and Project Design (3)
- TGIS 414 Advanced Applications of GIS (6)
- TGIS 415 Critical Theory and GIS Practicum (3)

### Admission

Admission to the GIS certificate program is competitive. Students must complete a separate application in the form of an online survey. Because it is a year-long program, students are only admitted to the program once per year and must begin in autumn quarter. Please refer to the website to learn more about the GIS certificate, the curriculum, and requirements for admission.

[www.tacoma.washington.edu/urban\\_studies/academics/gis/](http://www.tacoma.washington.edu/urban_studies/academics/gis/)

## Nonprofit Management Certificate

*Offered by Interdisciplinary Arts and Sciences. Check with an IAS adviser to learn more about this certificate.*

The certificate program is designed to meet the needs of postbaccalaureate students who would like to complete training in nonprofit management. The requirements are the same as for the Nonprofit Management minor. The certificate allows students who have already completed a bachelor's degree to complete the nonprofit management curriculum.

Undergraduate students also earn the certificate when they complete the minor.

### Requirements

The Nonprofit Management certificate requires **25 credits** to include:

- TCSIUS 431: Community Organizations and the Nonprofit Sector
- TCSIG 431: Organizational Development
- TCSIUS 451: Essentials of Grant Writing and Fundraising
- TIAS 496: Internship
- TCSIUS 457: Nonprofit Management Capstone

## Restoration Ecology Certificate (REC)

*Offered by Interdisciplinary Arts and Sciences. Check with an IAS adviser to learn more about this certificate.*

The University of Washington Restoration Ecology Network (UW-REN) was established to prepare students to meet the multidisciplinary challenges in the field of ecological restoration. Effective restoration requires the interactive efforts of experts from many disciplines, as illustrated below. UW-REN offers students from any UW program the opportunity to obtain a certificate of academic experience in Restoration Ecology. This program provides students with a substantial background in restoration ecology within the context of their degree program. The REC is not associated with a degree program. It demonstrates to employers and funding agencies that a fundamental training in restoration ecology, including a one-year, team-based restoration project has been completed. Study ranges from theory to practice to provide students with skills necessary to participate as effective team members or to lead challenging restoration projects.

### Requirements

The Restoration Ecology certificate requires a minimum of **25 credits**. All courses must be completed with a minimum grade of 2.0.

- TESC 362: Introduction to Restoration Ecology (7 credits)
  - This is a 300-level course offered at UW Bothell and UW Tacoma. UW Seattle's equivalent course is EHUF 473.
- Restoration-related courses (10 credits)
  - Students must complete 10 credits of restoration-related courses from an approved list of courses that is available on the UW-REN website at <http://depts.washington.edu/uwren>. Courses not on the list can be petitioned to the UW-REN director.
- UW-REN Senior Restoration Capstone
  - TESC 462 (2 credits)
  - TESC 463 (3 credits)
  - TESC 464 (3 credits)

The capstone consists of a three-quarter, 10-credit sequence of courses that take place during the fall-winter-spring quarters. In the capstone, students participate in a hands-on restoration project from design, analysis, and implementation to developing a monitoring plan, all within a multidisciplinary teamwork setting.