Why a master’s degree?

You may be looking for an edge in an increasingly competitive workforce, where positions calling for a master’s degree will grow more than 20% by 2020. Perhaps you want to continue learning and build your critical thinking skills. You may be considering graduate education for a variety of reasons, and a master’s degree can help you towards:

- Academic specialization
- Advancing in your career or field
- Seeking specific credentials
- Preparation for a doctoral program
- Greater earning potential
- Broader research opportunity in your field
- Change of academic interest

Why a master’s degree at Western Washington University?
Small class sizes, world class research facilities, and a high degree of faculty interaction characterize the graduate experience at Western. Our graduate programs are small, and many employ a cohort model – moving through the program with the same core of students to graduation. Interaction and research with faculty are norms, not marketing points. Coursework and lab work are typically interactive and seminar-style. As you’re absorbed in your research, your education extends far beyond the classroom.

Extensive support in Western Libraries complements your work with graduate faculty. Western’s librarians specialize in every subject area and are there to help you in your area of research. The Graduate Research and Writing Center offers dedicated library space for you to work, and provides individual writing support along with quarterly seminars tailored to graduate student needs.

Western’s Teaching-Learning Academy and Center for Instructional Innovation provide support for graduate teaching assistants. Hone your abilities as an instructor and mentor to undergraduates as well as sharpen your technological skills in the delivery of materials and resources while building professional experience.

At Western, Graduate Students are part of a unique, small community of academics, and we strive to make your experience distinctive. We support a student-driven annual Graduate research conference and host events throughout the academic year to help you meet other graduate students outside your field. We also celebrate with our graduates, their families, and graduate faculty at a Spring dinner event honoring our graduating students and their accomplishments.

The Graduate School staff are here to assist you from application to graduation and all the details in between. We welcome your interest in graduate education at Western Washington University and hope we have the opportunity to soon call you an alumnus.

If you have any questions about starting your Graduate studies at Western, please don’t hesitate to contact me directly.

Michael C. Barr
Associate Dean
Graduate School
Michael.Barr@wwu.edu
QUICK FACTS

ASSISTANTSHIP STIPENDS PAID IN 2013-2014: $2.7 MILLION

GRANTS TO GRADUATE STUDENTS IN 2013-2014: $373,000

44 MASTER’S PROGRAMS

GRADUATE STUDENTS 1,200

AVERAGE TIME TO MASTER’S DEGREE: 2 YEARS

88% OF FACULTY HOLD THE HIGHEST DEGREES IN THEIR FIELDS

TUITION WAIVERS GRANTED TO GRADUATE STUDENTS IN 2013-2014: $2.4 MILLION
POP. OF BELLINGHAM
80,000

MORE THAN 400 ISLANDS
IN THE SAN JUANS

MOUNT BAKER RECEIVES
641 INCHES
OF ANNUAL SNOWFALL
PER YEAR, THE MOST
OF ANY SKI AREA
IN THE WORLD

55 MILES
TO VANCOUVER, BC

90 MILES
TO SEATTLE, WA

SEATTLE, WA
(90 MILES)

BELLINGHAM
MARINA
(2.7 MILES)

OLYMPIC NATIONAL FOREST
Olympia, WA
(202 MILES)

VANCOUVER, B.C.
(155 MILES)

DECEPTION PASS STATE PARK
San Juan Islands
(66 MILES)

SAN JUAN FERRY TERMINAL
(40 MILES)

LAKE SAN JAMISH
(0.8 MILES)

LARRABEE STATE PARK
(5.7 MILES)

BELLS FAIR MALL
(2.7 MILES)

MOUNT BAKER
Ski Area
(52 MILES)

MOUNT RAINIER

OLYMPIC NATIONAL FOREST

SEATTLE, WA

BELLINGHAM

52 MILES

VANCOUVER, B.C.

LAKE SAN JAMISH

LARRABEE STATE PARK

BELLS FAIR MALL

MOUNT BAKER
Ski Area

MOUNT RAINIER

OLYMPIC NATIONAL FOREST

BELLINGHAM

SEATTLE, WA

VANCOUVER, B.C.
SEHOME ARBORETUM

DOWNTOWN BELLINGHAM
(0.8 MILES)

BELLINGHAM FARMER’S MARKET
(1 MILE)
PICKFORD CINEMA
(1.2 MILES)
WHATCOM MUSEUM
(1.4 MILES)
CIVIC FIELD AND AQUATIC CENTER
(1.8 MILES)
DOWNTOWN FAIRHAVEN
(2 MILES)

BOULEVARD PARK
(1.1 MILES)

GALBRAITH MOUNTAIN
(3.4 MILES)

LAKE WHATCOM
(3.8 MILES)

WHATCOM FALLS PARK
(2.7 MILES)
LAKE PADDEN
(3.4 MILES)

AN INCREDIBLE LOCATION

WESTERN WASHINGTON UNIVERSITY GRADUATE SCHOOL | 5
I pursued the MBA program because of the great reputation of the faculty and the College of Business and Economics, and because of the caliber of the alumni that have gone through the program. The cohort design makes it incredibly unique in that there is a real opportunity to build a strong community. The type of people that the WWU MBA program attracts and selects are incredibly talented and intelligent, and come with such diverse strengths, backgrounds, industries, and interests.”

Heather Flaherty, Master of Business Administration, College of Business and Economics

Founded in 1976, The Western Washington University College of Business & Economics (CBE) engages students in scholarly business education and professional activities that contribute to the well-being of society. Graduate programs within the college include an on-campus Masters in Professional Accounting (MPAcc) as well as four tracks of Masters in Business Administration (MBA): two full time on-campus programs, a part-time evening program in Bellingham, and a weekend program in Everett, WA.

**FACULTY**

**MASTER OF PROFESSIONAL ACCOUNTING**
- David GILBERTSON
  - Audit quality, auditor litigation, auditor regulation, professional ethics, securities regulation
- Marguerite HUTTON
  - Accounting, taxation education issues
- George SANDERS
  - Governmental/financial accounting
- Stephen SENGE
  - Financial accounting/reporting
- Khim SIM
  - Managerial accounting
- William SINGLETON
  - Taxation/financial accounting
- Steven SMITH
  - Financial accounting
- Audrey TAYLOR
  - Managerial/cost accounting
- Daniel WARNER
  - Business Law

**MASTER OF BUSINESS ADMINISTRATION**
- Deepinder BAJWA
  - Corporate IS management, decision support systems
- Earl BENSON
  - Finance
- Brian BURTON
  - Management
- Craig DUNN
  - Business ethics, corporate governance, social entrepreneurship
- Brandon DUPONT
  - 19th century banking crises, economic history, microeconomics
- David FEWINGS
  - Finance
- Joseph GARCIA
  - Organizational behavior
- David GILBERTSON
  - Audit quality, auditor litigation, auditor regulation, professional ethics, securities regulation
- Steven GLOBERMAN
  - International business, multinational corporations, trade and investment policies, health economics
- Daniel HAGEN
  - Environmental and resource economics, international trade
- Peter HAUG
  - Management
- Steve HENSON
  - Applied microeconomics, environmental and resource, econometrics
- Luther “Hart” HODGES
  - Natural resource and environmental economics, applied business economics
- Stella HUA
  - Operations management, quantitative methods
- Marguerite HUTTON
  - Accounting, taxation education issues
- Jason KANOV
  - Relationships and interpersonal processes in organizational settings

**Degrees Offered**
- Master of Business Administration (Regular, Accelerated, Weekends and Part Time Evening), MBA
- Master of Professional Accounting, MPAcc
• Ilhyung KIM  
  o Operations and technology management
• Jongwook KIM  
  o Strategic management, international business strategies, innovation management
• Shawn KNABB  
  o Macroeconomics, public finance, economic development and growth
• John KRIEG  
  o Financial institutions/money and banking, macro focus, econometrics
• Pamela LaBORDE  
  o Finance
• Floyd LEWIS  
  o Group support systems, collaboration information technologies
• Edwin LOVE  
  o Marketing strategy, marketing research, new product development and marketing, consumer preference modeling, behavioral decision theory, advanced statistical modeling, game theory, segmentation, advanced survey techniques, data mining and machine learning, project management
• Marko MADUNIC  
  o Corporate strategy, international business, economic institutions and contracting
• Sandra MOTTNER  
  o Marketing, retail marketing, nonprofit marketing, marketing strategy, marketing pedagogy
• Dennis MURPHY  
  o Managerial decisions, international finance
• David NELSON  
  o Macroeconomics, money markets
• Thomas OLNIEY  
  o Marketing research, sales marketing
• Mary Ann REYNOLDS  
  o Financial/environmental accounting
• Thomas ROEHL  
  o International business, Asian business, foreign investments, inter-firm business relationships
• Matthew ROELOFS  
  o Experimental economics, managerial, industrial organization, game theory, micro focus
• David RYSTROM  
  o Finance
• George SANDERS  
  o Governmental/financial accounting
• Christopher SANDVIG  
  o Web development
• Mary SASS  
  o Teamwork, organizational change and development, negotiations
• Stephen SENG  
  o Financial accounting/reporting
• Khim SIM  
  o Managerial accounting
• William SINGLETON  
  o Taxation/financial accounting
• Mark SPRINGER  
  o Operations Management
• Paul STORER  
  o Economics
• Ozan SULA  
  o International finance, macroeconomics, money and banking, international capital flows
• Audrey TAYLOR  
  o Managerial/cost accounting
• Craig TYRAN  
  o Systems development, applications of technology in organizations
• Kristi TYRAN  
  o Organizational behavior
• Daniel WARNER  
  o Business Law
• Wendy WILHELM  
  o Marketing research, sustainability and green marketing, marketing internships
• Nicholas WONDER  
  o Corporate finance
• Zhe George ZHANG  
  o Statistics
“Western was unique in two primary ways: The emphasis on cross-cultural and non-majority cultural factors provided a critical framework to approach individuals and the field in a divergent and inclusive way. Second, the opportunity to step outside traditional program requirements. Although I was enrolled in the mental health counseling program, I was encouraged to take additional courses in statistics, research, and methodology, thus completing a more complex thesis.”

Kristoffer Rhoads, PhD, Chief Neuropsychologist and Director of Department of Neuropsychology and Rehabilitation Psychology and the Memory Wellness Clinic at Virginia Mason Medical Center in Seattle, WA.; Mental Health Counseling Masters at Western – College of Humanities and Social Sciences.

Emerging from a vibrant liberal arts core, our collaborative learning environment inspires individual, social, cultural, creative, and scientific exploration. Students devise and apply innovative solutions, embrace divergent worldviews, consider the ethical implications of their actions, and communicate effectively in their professional, public, and personal lives. Together, students, faculty and staff generate knowledge, pursue research and foster life-long learning to contribute to the well-being of communities from local to global.

Degrees Offered
- Anthropology, MA
- Archives & Records Management, MA
- Creative Writing, MFA
- English, MA
- History, MA
- Mental Health Counseling, MS
- Experimental Psychology, MS
- School Counselor, MEd
- Speech Language Pathology, MA
- Kinesiology, Exercise Science, MS
- Kinesiology, Sport Psychology, MS

FACULTY

M.A. ANTHROPOLOGY
- Daniel BOXBERGER
  - Ethnohistory, method and theory, indigenous rights, Native North America, Northwest coast
- Sean BRUNA
  - Sovereignty, applied anthropology, medical anthropology, chronic disease prevention, community based participatory research (CBPR), Native North America, U.S. Southwest
- Sarah CAMPBELL
  - Pacific Northwest prehistory, archaeological method and theory, cultural resource management
- Joyce HAMMOND
  - Visual anthropology, gender studies, expressive culture, fieldwork methods, Pacific Asian Rim tourism
- Todd KOETJE
  - Archaeology, quantitative methods, spatial studies, method and theory, paleolithic Old World, paleoindian-archaic Northeast US
- James LOUCKY
  - Applied anthropology, socialization, cross-cultural education, Latin America
- Robert MARSHALL
  - Political economy, symbolism, Marxist anthropology, East Asia, Japan
- M. J. MOSHER
  - Anthropological genetics, epigenetics, nutrition, adipokines, human variation and adaptation, Arctic populations
- Judith PINE
  - Linguistic anthropology, literacy theory, indigenousness, globalization/borders, language maintenance/endangerment, upland peoples of SE Asia/China
• Joan STEVENSON  
  o Anthropological genetics and demography, osteology, AD/HD, sex differences, European immigrants

• Kathleen YOUNG  
  o Gender, religion, war and violence, death and dying, cross-cultural law

COMMUNICATION SCIENCES AND DISORDERS – M.A. SPEECH-LANGUAGE PATHOLOGY

• Eva BAHARAV  
  o Speech-language pathology, child and adolescent language, autism, typical and disordered language across the life span, school age learning disorders, telepractice

• Rieko DARLING  
  o Audiology, amplification, geriatrics, central auditory processing disorders, aural rehabilitation

• Michael FRAAS  
  o Speech-language pathology, adult neurogenic disorders, cognitive disorders, dysphagia

• Kimberly PETERS  
  o Audiology, pediatric audiology, auditory physiology, aural (re)habilitation, cochlear implants

M.A. ENGLISH, M.F.A. CREATIVE WRITING

• Kaveh ASKARI  
  o Film history and theory, cross-media visual culture, global cinema

• Bruce BEASLEY  
  o Creative writing (poetry), American literature

• Nicole BROWN  
  o Rhetoric and composition, technical writing, visual rhetoric, service learning and cybercultural studies

• Jeremy CUSHMAN  
  o Rhetoric and composition, workplace writing, public rhetorics, digital humanities and postmodern research methodologies

• Oliver De La PAZ  
  o Creative writing (poetry), creative writing, Asian-American literature

• Kristin DENHAM  
  o Linguistics, syntax and grammar, dialect, Native American languages and literatures

• Dawn DIETRICH  
  o Cinema studies, literature and technology, cyberculture, critical theory

• Marc GEISLER  
  o Renaissance literature and culture, literary theory, politics and literature

• Allison GIFFEN  
  o American literature, women's literature

• Bruce GOEBEL  
  o American literature, postmodern literature, English education

• Carol GUESS  
  o Creative writing (creative nonfiction, fiction, Poetry), gay/lesbian/bisexual/transgender literature and theory

• Nancy JOHNSON  
  o Children's literature, English/language arts education

• Kristiana KAHAKAUWILA  
  o Creative writing (fiction and non-fiction), editing and publishing, Pacific literature

• Laura LAFFRADO  
  o American literature, gender studies

• Christopher LOAR  
  o British literature, early American literature, eighteenth-century culture, critical theory, literature and science

• Anne LOBECK  
  o Linguistics, literary theory, gender studies

• Kathleen LUNDEEN  
  o British literature, critical theory, intermedial art, literature and science, prophetic literature

• William LYNE  
  o American literature, African-American literature, cultural studies

• Kelly MAGEE  
  o Creative writing (fiction, non-fiction, multi-genre)

• Kristin MAHONEY  
  o Victorian literature and culture, economics and literature

• Mary Janell METZGER  
  o Early modern literature, critical theory, English education, women's literature

• Brenda MILLER  
  o Creative writing (fiction and nonfiction), autobiography

• Suzanne PAOLA  
  o Creative writing, nonfiction, women's studies, poetry

• Donna QUALLEY  
  o Composition theory and pedagogy, literary, rhetoric and social class

• Lyoa RIVERA  
  o American literatures and cultures, Chicano/a and African-American literature, cultural studies, critical theory

• Kathryn TRUEBLOOD  
  o Creative writing (fiction), publishing and editing

• Steven VANDERSTAY  
  o English education, creative writing (nonfiction), linguistics

• Kathryn VULIC  
  o Medieval British and Continental literatures and culture, devotional literature

• Theresa WARBURTON  
  o Feminist theory, women's literature, Native literature, transnational and multiethnic literature, memoir

• Christopher WISE  
  o Comparative literature and critical theory

• Greg YOUMANS  
  o Film and media studies, LGBTQ history and historiography, queer and feminist theory

• Ning YU  
  o American literatures, science and literature

M.A. HISTORY/ARCHIVES & RECORDS MANAGEMENT

• Charles ANDERSON  
  o Middle East

• Susan COSTANZO  
  o Russian/Soviet, Europe

• Cecelia DANSK  
  o Canada

• Peter DIEHL  
  o Medieval, ecclesiastical, social

• Amanda EURICH  
  o Early modern Europe, France and European social history

• Christopher FRIDAY  
  o American Indian, Asian American, Pacific Northwest, public history

• Steven GARFINKLE  
  o Ancient Near East and Mediterranean, historical theory and methods

• Jared HARDESTY  
  o Colonial America

• Randall JIMERSON  
  o Archives and records management, 19th-century U.S.

• Kevin LEONARD  
  o African-American history, LGBT history, U.S. West

• Ricardo LOPEZ  
  o Latin America, world history, middle class

• George MARIZ  
  o European intellectual history, Great Britain

• Johann NEEM  
  o Early U.S. republic, intellectual history

• Jennifer SELTZ  
  o Late 19th-century and 20th-century U.S., U.S. West

• Mart STEWART  
  o 19th century US, environmental history, history of science

• Roger THOMPSON  
  o China

• Diana WRIGHT  
  o Japan

• Sarah ZIMMERMAN  
  o Africa, colonialism, women and gender

M.S. KINESIOLOGY, EXERCISE SCIENCE AND SPORT PSYCHOLOGY

• Lorraine BRILLA  
  o Exercise physiology/nutrition

• Gordon CHALMERS  
  o Motor control

• Linda KEELER  
  o Sport psychology

• LeAnn MARTIN  
  o Pedagogy/elementary physical education/curriculum

• Michelle MIELKE  
  o Exercise physiology/nutrition

• Jun SAN JUAN, JR.  
  o Biomechanics/functional anatomy

• David SUPRAK  
  o Motor development, biomechanics

M.S. EXPERIMENTAL PSYCHOLOGY

M.S. MENTAL HEALTH COUNSELING

M.Ed. SCHOOL COUNSELING

• Robinder BEDI  
  o Counseling relationships/process/outcomes, substance abuse and dependence, depression

• Christina BYRNE  
  o Psychological trauma and intimate partner violence
• Jeff CARROLL
  o Behavioral neuroscience, molecular basis of metabolic dysfunction in Huntington’s Disease

• Anna CIAO
  o Risk factors for developing eating and weight concerns, eating disorder and obesity prevention and early intervention, barriers to seeking psychological treatments, dissemination of evidence-based interventions

• Alexander CZOPP
  o Stereotypes, prejudice

• Jennifer DEVENPORT
  o Legal psychology, jury decision-making, factors influencing erroneous eyewitness identifications

• Dale DINNEL
  o School and home environment and achievement motivation, personality correlates of happiness and well-being

• Tina Du ROCHER SCHUDLICH
  o Developmental psychopathology, marital conflict and children, parent-child emotion regulation

• Janet FINLAY
  o Behavioral neuroscience, biological basis of psychiatric illness

• Deborah FORGAYS
  o Adolescent development, women’s health issues, women and anger across development

• Rebecca GOODVIN
  o Early socioemotional development, self-concept, parent-child attachment and communication

• James GRAHAM
  o Adaptive processes in romantic relationships, romantic love, measurement, multivariate statistics

• Jeffrey GRIMM
  o Animal models of drug taking and drug seeking, neurobiology of drug taking and drug seeking

• Diana GRUMAN
  o School counseling, child and adolescent development, educational psychology

• Todd HASKELL
  o Language, visual and auditory perception, cognition

• Ira HYMAN
  o Memory, cognitive psychology, social cognition

• Kelly JANTZEN
  o Behavioral & cognitive neuroscience, human environment interactions

• McNeel JANTZEN
  o Speech perception, speech production, phonological learning, neural reorganization of language

• Jeff KING
  o Cross-cultural psychology, healing processes, ethnic identity

• Barbara LEHMAN
  o Childhood family environment and social/psychological health, research methods and statistics

• Krati LEMM
  o Implicit attitudes

• Lucy LEWIS
  o School counseling, social media influences on school adjustment, ethnic identity development & refugee youth

• Michael MANA
  o Behavioral neuroscience, electrophysiological activity in the locus coeruleus, effects of chronic stress on the central nervous system, development of tolerance to drugs

• Adriana MANAGO
  o Adolescent and emerging adult development in the context of culture change and the Digital Age, Latino youth in the U.S. and indigenous Maya youth in Mexico, peer relations, gender and sexual development

• Kate MCLEAN
  o Adolescent identity development

• Catherine RIORDAN
  o Social and organizational psychology, with particular focus on leadership and change in organizations

• Jacqueline ROSE
  o Molecular mechanisms of learning, memory, and plasticity

• Cristina SAMP AIO
  o Mechanisms and processes of memory, representations, memory errors, metacognition

• David SATTLER
  o Natural disasters, social dilemmas, small group research

• Lawrence SYMONS
  o Perception

• Joseph TRIMBLE
  o Social, cross-cultural
The Shannon Point Marine Center (SPMC) supports instructional and research programs in the marine sciences; provides access to facilities for visiting scientists from around the world; and supports supervised, independent research via federally-funded programs. SPMC is located on a 78-acre campus covered mostly by Pacific lowland forest and distinguished by some 3000 ft of undisturbed beachfront. The campus, including the beach, is treated as a natural laboratory with collection of specimens and disturbances of other kinds limited to professional activities. [www.wwu.edu/spmc](http://www.wwu.edu/spmc)

**FACULTY**

- **Jude APPLE**
  - Aquatic microbial ecology, hypoxia and water quality, metabolic and phylogenetic characteristics of bacterioplankton, marine science education.
- **Shawn ARELLANO**
  - Biological mechanisms that affect larval dispersal and successful recruitment of invertebrates, including reproduction, larval swimming behavior, larval development & physiology, settlement dynamics, and metamorphosis. Deep-sea biology, especially of chemosynthesis-based ecosystems. Invertebrate-microbial interactions.
- **Brian BINGHAM**
  - Ecology of marine benthic communities, with emphasis on larval processes. Effects of larval behavior and post-settlement juvenile mortality on population dynamics of subtidal marine invertebrates, gametogenic cycles, invertebrate larval defense mechanisms, and development of epifaunal communities.
- **Liz FRANCIS**
  - Relationship of anemone ecology with anemone body size, growth by cloning, and the evolution of specialized behaviors, organs and organelles for selectively attacking either competitors or predators.
- **Brooke LOVE**
  - Dissolved gases in the marine environment and development of new instrumentation. Specifically, carbon dioxide as it relates to ocean acidification, and the volatiles associated with deep sea hot springs.
- **Erika MCPHEE-SHAW, Director**
  - The interaction between fluid flows and topographic features such as continental margins; how turbulence and stratified dynamics affect the distribution of constituents such as sediment and nutrients.
- **Brady OLSON**
  - Planktonic predator and prey interactions. The response of planktonic individuals, populations and communities to emerging climate stressors. Coastal planktonic food web ecology, with emphasis on copepod feeding behavior.
- **Jennifer PURCELL**
  - Biological oceanography, zooplankton ecology. Trophic interactions, population dynamics, and behavior of gelatinous zooplankton, especially ctenophores and ctenophore. Effects of jellyfish on fish populations. Nematocyst function and chemoreception.
- **Suzanne STROM**
- **Stephen SULKIN**
  - Nutritional requirements of the planktrophic larval stages of brachyuran crab species. Assessment of the range of microbial prey ingested by crab larvae, ingestion rates on protists, consumption of microbial prey by larvae in the presence of mezzo-zooplankton prey, and temporal patterns of ingestion and digestion of protists.
- **Kathy VAN ALSTYNE**
- **Sylvia YANG**
  - Ecology with focus on organism-environment interactions in intertidal marine systems. Disturbance, recovery, and ecosystem function in seagrass habitats. Integrating empirical methods with mathematical modeling to understand ecological processes.
The College of Science and Engineering is committed to excellence in teaching, fostering interdisciplinary research and study opportunities, enhancing diversity, enhancing the quality of science, mathematics and technology K-12 teaching, and the development of critical thinking. Departments within the college are dedicated to providing a high-quality education for students by incorporating research and practical laboratory-based experiences to stimulate intellectual curiosity, critical thinking abilities and application of the scientific method. Graduates of CSE are prepared to be excellent communicators and be vigorous throughout their lives in the active pursuit of knowledge.

Degrees Offered
- Biology, MS
- Chemistry, MS
- Computer Science, MS
- Geology, MS
- Marine and Estuarine Science Program, Biology, MS
- Mathematics, MS

FACULTY

M.S. BIOLOGY
- Alejandro ACEVEDO-GUTIERREZ
  - The role of marine mammals in their environment and their interactions with humans.
- Roger ANDERSON
  - Lizard energetics, ecology, and evolution.
- Marion BRODHAGEN
  - Secondary metabolites of plant-associated microbes; chemical ecology; plant-microbe interactions.
- Lina DAHLBERG
  - Using the model organism C. elegans to investigate how the small protein, Ubiquitin, modifies smell and taste receptors.
- Eric DeCHAINÉ
  - Evolution and ecology of alpine and arctic flora
- Deborah DONOVAN
  - Energetics and biomechanics of marine invertebrates.
- David HOOPER
  - Effects of plant diversity and functional characteristics on ecosystem processes, nitrogen cycling, carbon cycling.
- Robin KODNER
  - Quantitative marine biology
- David LEAF
  - Evolution of pattern formation in insect embryos.
- Suzanne LEE
  - Cellular and molecular biology
- Benjamin MINER
  - Evolution and ecology of phenotypic plasticity and marine invertebrates
- Craig MOYER
  - Marine microbiology and geomicrobiology
- Joann OTTO
  - Actin-based cell motility and cytoskeleton.
- Merrill PETERSON
  - Population ecology, community ecology, and evolutionary biology of herbivorous insects.
- Lynn PILLITTERI
  - Plant development and the molecular mechanisms underlying final plant form.
- Daniel POLLARD
  - Quantitative genetics
- Sandra SCHULZE
  - Chromatin structure and nuclear organization
- Dietmar SCHWARZ
  - Evolutionary genetics, genomics, and ecology. Hybridization and speciation in host-specific insects.
- Anu SINGH-CUNDY
  - Cell-cell interactions during reproductive and vegetative development in plants, self-incompatibility, graft formation.
- Carol TRENT
  - Molecular genetics of haplo-diploid sex determination.
- Jeff YOUNG
  - Plant Functional Genomics.

“I chose the Geology master’s program at Western because of the great communication I had, prior to applying, with my advisor Dr. Susan DeBari. What makes this department so unique, for both graduates and undergraduates, is the strong emphasis for development of laboratory, research and report writing skills.”

Ricardo Escobar, Geology, College of Science and Engineering
M.S. CHEMISTRY

- Spencer ANTHONY-CAHILL
  - Design & characterization of circularly permuted human hemoglobin and sperm whale myoglobin.
- John ANTOS
  - Exploring the family of sortase enzymes, characterizing the activity of novel sortases with the goal of developing new methods for protein engineering.
- Robert BERGER
  - Using computation to design and understand the structural and electronic properties of novel metal oxide materials.
- Emily BORDA
  - How students build mental models of chemical phenomena with intention to develop classroom activities to improve comprehension and utility of material.
- Mark BUSSELL
  - Surface and materials chemistry, with an emphasis of development of heterogeneous catalysts for new clean fuels.
- Steven EMORY
  - Use of novel metal and semiconductor nanomaterials in the development of new ultrasensitive chemical methods of detection and identification.
- John GILBERTSON
  - Scientific problems dealing with global climate change and CO2 utilization.
- Janelle LEGER
  - Organic and hybrid materials for electronic and optoelectronic devices, dependence of device performance on underlying electronic and electrochemical properties.
- Amanda MURPHY
  - Tailoring molecular structure of conjugated organic polymers to control the fundamental properties of bulk materials.
- Gregory O'NEIL
  - Enantioselective synthesis of biologically and environmentally important natural products, synthesis of small molecule natural products.
- David PATRICK
  - Surface and materials chemistry, ordered molecular systems, organic thin films, thermotropic liquid crystal solvents.
- Gerry PRODY
  - Carbohydrate biochemistry, especially in plant cell walls.
- David RIDER
  - Design, synthesis, and self-assembly of organic & inorganic semiconductors for nanotechnology and materials science.
- Serge SMIRNOV
  - Biophysical properties of DNA with chemical modifications of bases.
- P. Clint SPIEGEL
  - Activation and inhibition of ribosomal GTPases, mechanisms of antibody inhibitors targeting coagulation factor VIII.
- James VYVYAN
  - Synthetic chemistry, synthesis of natural products possessing unusual features and biological properties.

M.S. COMPUTER SCIENCE

- David BOVER
  - Software engineering, software quality assurance, computer security.
- Perry FIZZANO
  - Algorithms, optimization, bioinformatics.
- James HEARNE
  - Artificial intelligence, computational science.
- Brian HUTCHINSON
  - Natural language processing, machine learning.
- James JOHNSON
  - Database theory, probabilistic algorithms.
- Debra JUSAK
  - Distributed computing, middleware, embedded systems.
- Yudong LIU
  - Natural language processing.
- Geoffrey MATTHEWS
  - Scientific visualization.
- Michael MEEHAN
  - Parallel and distributed computing, programming languages, networks.
- Philip NELSON
  - Parallel and distributed computing, compilers, computer networks.
- Jianna ZHANG
  - Artificial intelligence, machine learning, robotics, natural language processing.
- Liz SCHERMER
  - Application of structural geology, metamorphic petrology, geochronology, tectonic geomorphology.
- Pete STELLING
  - Geology of geothermal energy systems, physical volcanology, igneous petrology, igneous geochemistry.

M.S. GEOPHYSICS

- Edoh AMIRAN
  - Differential geometry, smooth dynamical systems.
- Amy ANDERSON
  - Statistical genetics.
- Árpád BENYI
  - Harmonic analysis, partial differential equations.
- Donald CHALICE
  - Banach algebras, complex dynamics.
- Victor CHAN
  - Reliability, applied statistics.
- Branko Curgus
  - Differential equations, operator theory.
- Richard GARDNER
  - Geomorphology, tomography.
- Tilmann GLIMM
  - Nonlinear partial differential equations with applications in mathematical biology and geometric optics.
- David HARTENSTINE
  - Partial differential equations, geometric inequalities, and nonlinear analysis.
- Jerry JOHNSON
  - Mathematics Education.
- Millie JOHNSON
  - Mathematics Education.
- Stephen McDOWALL
  - Inverse problems.
- Adam NYMAN
  - Algebraic theory, ring theory, quantum projectivizations, two-sided vector spaces, Serre theory.
- Thomas READ
  - Ordinary and partial differential equations.
- Amites SARKAR
  - Combinatorics, probability theory, graph theory.
- Yun-Qiu SHEN
  - Nonlinear differential equations, numerical analysis.
- Stephanie TRENEER
  - Modular forms, number theory, theory of partitions.
- Tjalling YPMA
  - Numerical Analysis.
- Jianying ZHANG
  - Numerical partial differential equations.
Since 1969, WWU’s Huxley College of the Environment has enjoyed a reputation as a premier institution for the education of future environmental experts and leaders. Our distinctive, interdisciplinary curriculum grants degrees in Environmental Studies (M.A.), Environmental Education (M.Ed.), and Environmental Sciences (M.S.). Each degree offers multiple concentrations, from geography and urban planning to estuarine science and terrestrial ecology.

“I chose Huxley because of the learning atmosphere it creates due in large part to the amazing staff & faculty. The small class sizes allow for innovative thinking and invigorating discussions, which I think is unique and very important. Some of the largest problems of our generation are environmental and Huxley has provided me with the skills needed to address these issues.”

Jonny Kemp, Geography, Huxley College of the Environment

Degrees Offered
- Environmental Science, MS
- Marine and Estuarine Science Program, Environmental Science, MS
- Environmental Education, MEd
- Environmental Studies, MA

FACULTY

M.S. ENVIRONMENTAL SCIENCE
M.A. ENVIRONMENTAL STUDIES
M.Ed. ENVIRONMENTAL EDUCATION

- Troy ABEL
  - Environmental policy, conservation politics, civic environmentalism, policy analysis, globalization and environment
- Andrew BACH
  - Physical geography, geomorphology, soils and weathering, geoarcheology
- Charles BARNHART
  - Energetic and material requirements of low-carbon electrical energy resources
- Jenise BAUMAN
  - Ecological restoration, ectomycorrhizal fungi, American Chestnut, botany, landscape ecology
- Gigi BERARDI
  - Resources management, agroecology, international community development, food security, all-hazards planning
- Brian BINGHAM
  - Ecology of marine invertebrates with an emphasis on cnidarian-algal symbiosis
- Leo BODENSTEINER
  - Fish ecology, water quality and its impact on aquatic wildlife communities
- Patrick BUCKLEY
  - Economic and development geography, quantitative methods, GIS, environmental issues in Japan and China, quality of life, transborder environmental issues
- Andrew BUNN
  - Climate change, paleoecology, energy, ecological models
- Rebecca BUNN
  - Belowground ecology, toxicology, restoration, energy, application of statistics
- Aquila FLOWER
  - Environmental change from a geographic perspective using a suite of methodological approaches drawn from the fields of dendrochronology, ecology, statistics, and geospatial analysis
- Rebekah GREEN
  - Human ecology
- James HELLFIELD
  - River and riparian forest ecology, relationship between terrestrial and aquatic ecosystems, watershed management and restoration
- Steven HOLLENHORST
  - Social dimensions of natural resources, wilderness and protected area policy and management
- Peter HOMANN
  - Biogeochemistry, soil sciences, forest ecology
- Nabil KAMEL
  - Social and environmental justice, post-disaster recovery, political economy of urbanization, sustainable development, critical urban theory, housing and poverty, physical planning, urban design, regional and international development
- Wayne LANDIS
  - Environmental toxicology, population biology, risk assessment
- Brooke LOVE
  - Geochemistry, ocean acidification, hydrothermal systems, chemistry of volatiles in the marine environment
- Robin MATTHEWS
  - Freshwater ecology, aquatic toxicology, statistical ecology
- John McLAUGHLIN
  - Terrestrial ecology, population biology, conservation biology
• Michael MEDLER
  o Biogeography, GIS, remote sensing, forest fire and wilderness management
• Jean MELIOUS
  o Environmental and land use law and policy, international environmental policy
• Scott MILES
  o Sustainable development for risk reduction, social vulnerability, community disaster recovery, local self-reliance
• Gene MYERS
  o Environmental education, conservation psychology, human ecology, environmental history and ethics
• Mark NEFF
  o Environmental governance and policy, environmental studies, sustainability
• David ROSSITER
  o Canada, cultural-historical geographies, political ecologies
• John RYBCZYK
  o Wetland ecology and management, ecosystem modeling, global climate change
• David SHULL
  o Structure and function of marine benthic communities, pollution and marine ecosystems
• Ruth SOFIELD
  o Aquatic toxicology, biochemical and genetic toxicology, environmental chemistry
• Nicholas STANGER
  o Environmental education and exploration of the emotional, ecological, educational, indigenous, and complexity systems
• Paul STANGL
  o Pedestrian planning, new urbanism, urban landscapes, memory and meaning, Europe and Berlin
• David WALLIN
  o Terrestrial ecology, forest ecosystems
• Grace WANG
  o Natural resource policy, cultural resources management, community-based forestry
• Thomas WEBLER
  o Environmental energy and politics
• Nicholas ZAFERATOS
  o Community and environmental planning, sustainable development, European environmental policy, Native American political development
“Western was a perfect fit for me. My saxophone professor, Fred Winkler, and I work very well together and he is the perfect private instructor in my graduate studies. I learn and improve when I am able to focus on myself rather than trying to compete in a high pressure environment. At Western I can work at my own pace, focusing on exactly what I want with a very strong support system of instructors and friends to help me.”

David Decker, Master of Music

The Western Washington University Department of Music is committed to the vision of graduate students working side-by-side with our talented undergraduate students in a high caliber artistic environment. Our Music faculty welcome the addition of graduate students to our programs and seek the experience that they bring. Graduate students at Western receive highly individualized training that prepares them for career advancement and placement in every discipline. Our graduates leave Western with a high level of skill and are currently teaching and performing all over the world.

**Degrees Offered**
- Master of Music, MMus

**FACULTY**

**MASTER OF MUSIC**
- Christopher BIANCO  
  - Wind, ensemble, conducting
- Patricia BOURNE  
  - Music Education
- Roger BRIGGS  
  - Composition, orchestra
- Grant DONNELLAN  
  - Violin
- David FEINGOLD  
  - Guitar
- John FRIESEN  
  - Cello, chamber music
- Jeffrey GILLIAM  
  - Piano, piano accompanying
- Leslie GUELKER-CONE  
  - Choral music, conducting
- Bruce HAMILTON  
  - Composition, theory/analysis, electro-acoustic music
- Milica JELACA JOVANOVIC  
  - Piano, piano literature, piano pedagogy
- Carla RUTSCHMANN  
  - Low brass, musicology, brass pedagogy
- Walter SCHWEDE  
  - Chamber music
- Lesley SOMMER  
  - Composition, theory/analysis
- Bertil Van BOER  
  - Musicology
- Eugene ZORO  
  - Clarinet, woodwind pedagogy, chamber music
The Woodring College of Education is recognized throughout Washington, and beyond, as a leader in the development and implementation of undergraduate and graduate programs that prepare outstanding early childhood through adult educators and educational administrators; human services and nursing professionals; and rehabilitation counselors. We are guided by a vision wherein we foster “community relationships and a culture of learning that advance knowledge, honor diversities, and promote social justice.”

Andrea Antim, Masters in Teaching, Woodring College of Education

**Degrees Offered**
- Adult and Higher Education, MEd
- Educational Administration, MEd
- Literacy, MEd
- Master in Teaching Secondary, MIT
- Principal’s Residency Certificate
- Rehabilitation Counseling, MA
- Superintendent’s Certification

**FACULTY**

**M.Ed. LITERACY**

- **Joanne CARNEY**
  - Use of technology for teaching, learning, and assessment in the elementary classroom; teacher education, assessment, and professional development
- **David CARROLL**
  - Dispositions for ambitious teaching, mentoring, recruiting and retaining underrepresented students in teacher education
- **Tracy COSKIE**
  - Teacher professional development, writing instruction, reading and writing in context
- **Paula DAGNON**
  - Instructional technology, effective teaching
- **Maria FLORES**
  - Bilingual/multicultural education, teaching for social/environmental justice, supporting students from immigrant/migrant backgrounds, academic language/literacy development for English learners
- **Kristen FRENCH**
  - Multicultural teacher education, decolonizing theory, critical performance pedagogy, American Indian education
- **Jennifer GREEN**
  - ELL methods, English linguistics and grammar, teacher professional development
- **Karen HOELSCHER**
  - Instructional technology and social media, supporting university students’ cultural identities, mentoring pre-tenure faculty toward finding joy and production as academic writers, promoting intercultural communication between and among faculty, staff, and students
- **Eileen HUGHES**
  - Teachers as documenters and inquirers, inquiry-oriented teaching with young children, professional development of early childhood education teachers
- **Bruce LARSON**
  - Adolescent development, learning theory, social studies education, democratic citizenship education, and using classroom discussion. Instructional technology in grade 6-12 classrooms

“The ability to learn from and work alongside professors from different departments is a large part of why my experience at Western is so positive. I have worked with international students in a variety of areas, including the Asia University America Program, the Intensive English Program, and the Teaching English to Speakers of Other Languages program. Through these experiences I have learned much about other cultures and languages, and how to be an effective teacher.”

Andrea Antim, Masters in Teaching, Woodring College of Education
• Lauren McCLANAHAN
  o Reorienting teacher education to include topics of intersection and sustainability, the intersection of sustainability and the language arts
• Matthew MILLER
  o Literacy methods, pre-service teacher education, teacher education program design, video technologies in teacher education, teacher mentoring, teacher professional development, teacher supervision, teacher assessment
• Chris OHANA
  o Elementary science teacher preparation
• Rosalie ROMANO
  o Pedagogies of relations, critical theory, democracy and education
• Marsha Riddle BULY
  o Literacy assessment and instruction related to bilingual learners and those historically marginalized by our P-20 public education system
• Kate WAYNE
  o Climate change, circumpolar North indigenous populations, discourse analysis, issues of globalization and digital technology, and the effects and intersections of these on how we understand education

HOW TO APPLY?
Most programs admit for the Fall term, with application deadlines in early Winter, but please check with your specific program for requirements. To apply, visit the Graduate School website at www.edu/gradschool or applyweb.com/wwugrad.

M.Ed. EDUCATIONAL ADMINISTRATION
• Joseph HUNTER
  o Educational Administration
• Donald LARSEN
  o Preparation of successful, effective school leaders, school law, leadership theory

M.Ed. ADULT AND HIGHER EDUCATION
• Sondra CUBAN
  o Higher education and e-learning, service-learning, international and comparative education, community technologies for marginalized groups
• Stanford GOTO
  o Community college education
• Paula DAGON
  o Instructional technology, effective teaching

M.A. REHABILITATION COUNSELING
• Elizabeth BOLAND
  o Vocational issues and barriers to employment for people with significant disabilities, rehabilitation counseling education
• Dana BRICKHAM
  o Mindfulness meditation and disability, counselor mindfulness, psychosocial aspects of disability, vocational rehabilitation outcomes for people with disabilities

MASTER IN TEACHING
• Donald BURGESS
  o Secondary methods, science education methods
• Angela HARWOOD
  o Methods, Service-Learning
• Bruce LARSON
  o Secondary methods, social studies methods
• Lauren MCCLANAHAN
  o Reorienting teacher education to include topics of education for sustainability, intersection of sustainability and Language Arts
• Victor NOLET
  o Methods and sustainability
• Rosalie ROMANO
  o Democracy and education, pedagogies of relations, critical theory
• Kevin ROXAS
  o Education of immigrant and refugee students, social contexts of schooling, culturally responsive education
• Shelby SHEPPARD
  o Teaching for understanding, transformational pedagogy, educational engagement
• Molly WARE
  o Ecologically transformative education