About the Graduate Catalog

The Washington State University Graduate Catalog provides a listing of the graduate degrees and certificates offered at Washington State University. Each degree or certificate is listed with information concerning application and requirements, locations of additional information, and contact information for the program offering the degree or certificate. This catalog supplements the material in the Washington State University General Catalog, the Graduate School Policies and Procedures, and the individual graduate program handbooks.

Chosen courses for each student completing a graduate degree are detailed in their individual Program of Study. More information on Washington State University’s course offerings can be found in the Schedules of Classes.

The Washington State University General Catalog contains general information about Washington State University, its faculty, academic regulations, and a complete list of undergraduate, graduate, and professional courses. It contains the specific requirements for all undergraduate and professional degrees.

The Graduate School Policies and Procedures manual outlines the general requirements for master’s, professional master’s, doctoral, and DNP degrees. Minimum course requirements for each type of degree, final and preliminary exam structures and protocol, the appeal process, and general guidelines can be found in the Graduate School Policies and Procedures manual. Navigate Your Degree provides the most current information on Graduate School deadlines, procedures, and forms.

The degree requirements of graduate students go beyond a coursework-centric education to include a dynamic, mentored research experience or project-based experiential learning. To detail the policies and practices of these educational experiences, each graduate degree program outlines the tasks necessary to be successful in the program in a graduate program handbook. Graduate Program handbooks specify the required courses and credits, types of graduate qualifying exams, general procedures, internships and milestones for each student.

The student’s Program of Study is a Graduate School Form that outlines the student’s chosen courses. Depending on the program, graduate students may have a great deal of flexibility in working with an advisory committee to design a tailored program, or they may move through a set of prescribed courses with a cohort. The Program of Study is filed with the Graduate School and becomes the contract between the student and Washington State University as far as the course work that is required of the student.

The Schedules of Classes give additional detailed information about courses offered, class hours, and classroom locations for each semester. They also contain the latest calendar dates, fees, and details about registration.

All information in the Washington State University Graduate Catalog is subject to change without notice and students assume the responsibility of consulting the appropriate academic unit or advisor for more current or specific information.
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College of Agriculture, Human, and Natural Resource Sciences

Agricultural Economics, PhD
College of Agricultural, Human, and Natural Resource Sciences
School of Economic Sciences
Website: ses.wsu.edu/graduatestudies/phdprograms/
Description: The Ph.D. in Agricultural Economics is designed to provide the student with an excellent foundation in the theory and methods of economic analysis as well as experience in applied analysis of agricultural, agri-business, and/or resource economics problems. Career opportunities for agricultural economists also include academia, government, and the private sector. Many academic positions (especially at land grant universities) include salary support for a combination of teaching, research, and/or outreach related to the food and fiber sectors and the natural resource base that supports them.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at ses.wsu.edu/graduatestudies/phdprograms/ and Graduate Studies Manual at ses.wsu.edu/graduatestudies/
Application Deadline: Fall, January 10
Minimum Required Credits: 39 graded; 20 doctoral research; 72 total (post-baccalaureate)

Contact Information:
Felix Munoz-Garcia, PhD, Graduate Director
School of Economic Sciences
PO Box 646210
Hubert 103H
Pullman, WA 99164-6210
509-335-8402
fmunoz@wsu.edu

Jaimie Dahl, Principal Assistant
School of Economic Sciences
PO Box 646210
Hubert 101D
Pullman, WA 99164-6210
509-335-5555

Agriculture, MS
College of Agricultural, Human, and Natural Resource Sciences
Interdisciplinary degree
Website: msag.wsu.edu
Description: The M.S. in Agriculture program is designed to provide practitioners and professionals an opportunity to strengthen and diversify their expertise in agriculture-related disciplines. The program is completely web-based and can be completed from anywhere in the world, although students may choose to take courses on the Pullman campus. Outstanding faculty participate from a diverse array of academic disciplines, including animal science, crop and soil sciences, entomology, horticulture, plant pathology, food science, and economic sciences, which makes the program truly interdisciplinary. With support from an advising committee, students can tailor their coursework to meet their personal and professional learning goals.
Location(s): Global Campus
Admission and Degree Requirements: See admission requirements and Program Handbook at msag.wsu.edu/futurestudents/
Application Deadline: Fall, June 1; Summer, March 1; Spring, October 1
Minimum Required Credits: nontesis (26 graded, 30 total); thesis (21 graded, 30 total)

Contact Information:
Lisa Lujan, Academic Coordinator
Johnson Hall Graduate Center
PO Box 646420
Johnson 0131
Pullman, WA 99164-6420
Animal Sciences, PhD
College of Agricultural, Human, and Natural Resource Sciences
Department of Animal Sciences
Website: ansci.wsu.edu
Description: Programs are flexible and designed to meet the needs and interests of the student and, as such, specific degree requirements are determined through individual consultation with an advisor and a special committee. The department maintains herds of dairy cattle, beef cattle, and swine for research and teaching purposes.
Location(s): Pullman
Admission and Degree Requirements: See the degree requirements and Graduate Student Handbook at ansci.wsu.edu/graduate/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 22 graded; 72 total

Contact Information:
Holly Neibergs, PhD, Professor
Animal Sciences
PO Box 646351
ASLB 210
Pullman, WA 99164-6351
509-335-6491
neibergs@wsu.edu

Animal Sciences, MS
College of Agricultural, Human, and Natural Resource Sciences
Department of Animal Sciences
Website: ansci.wsu.edu/
Description: Programs are flexible and designed to meet the needs and interests of the student and, as such, specific degree requirements are determined through individual consultation with an advisor and a special committee. The department maintains herds of dairy cattle, beef cattle, and swine for research and teaching purposes. Thesis track only.
Location(s): Pullman
Admission and Degree Requirements: See the admission requirements at gradschool.wsu.edu/degrees/factsheet/master-of-science-in-animal-sciences/ and Graduate Student Handbook at ansci.wsu.edu/graduate/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 21 graded; 9 thesis research; 30 total

Contact Information:
Holly Neibergs, PhD, Professor
Animal Sciences
PO Box 646351
ASLB 210
Pullman, WA 99164-6351
509-335-6491
neibergs@wsu.edu

Apparel, Merchandising, Design and Textiles, MS
College of Agricultural, Human, and Natural Resource Sciences
Department of Apparel, Merchandising, Design and Textiles
Website: amd.t.wsu.edu/
Description: Opportunities available with the AMDT master’s program include individualized, in-depth programs of study; nationally and internationally recognized faculty; faculty research grants to support students; publications in refereed research journals; designs and creative work in juried exhibits; competitive assistantships; and graduate internships. The master’s program provides students with opportunities to pursue research through the completion of a thesis or project. Research areas for a thesis or project include Apparel Product Development; Textile Product Development, Consumer Studies; Creative Scholarship and Design; International Trade, Marketing, Supply Chain Management, and Electronic Commerce.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at amd.t.wsu.edu/graduate/admission/.
Contact department for degree requirements.
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: thesis (24 graded, 30 total); thesis project (26 graded, 30 total)

Contact Information:
Ting Chi, PhD, Graduate Program Coordinator
Apparel, Merchandising, Design and Textiles
Johnson Hall Annex C23
Pullman, WA, 99164
509-335-8536
Applied Economics, MS
College of Agricultural, Human, and Natural Resource Sciences
School of Economic Sciences
Website: ses.wsu.edu/graduatestudies/msprograms/about-the-masters-in-applied-economics-at-wsu/
Description: The program provides strong foundations in economic theory, quantitative methods, applications, communication skills, and research analysis. Students can focus their studies in general economics, agribusiness, or agricultural and resource economics by carefully selecting supporting and elective courses. Students can earn an M.S. in Applied Economics to specifically prepare for positions in private corporations and government service as management specialists, policy analysts, forecasters or economic consultants. Thesis and nonthesis options.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at ses.wsu.edu/graduatestudies/msprograms/requirements/ and Graduate Studies Manual at ses.wsu.edu/helpful-information/
Application Deadline: Fall, January 10
Minimum Required Credits: thesis (24 graded, 30 total); nonthesis (27 graded, 31 total)

Contact Information:
Felix Munoz-Garcia, PhD, Graduate Director
School of Economic Sciences
PO Box 646210
Hubert 103H
Pullman, WA 99164-6210
509-335-8402
fmunoz@wsu.edu

Jaimie Dahl, Principal Assistant
School of Economic Sciences
PO Box 646210
Hubert 101D
Pullman, WA 99164-6210
509-335-5555
jaimie@wsu.edu

Biological and Agricultural Engineering, PhD
College of Agricultural, Human, and Natural Resource Sciences
Department of Biological Systems Engineering
Website: bsys.e.wsu.edu
Description: The department offers the Ph.D. degree with four research areas of emphasis: Bioenergy and Bioproducts Engineering; Food Engineering; Land, Air, Water Resources and Environmental Engineering; and Agricultural Automation Engineering.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at bsys.e.wsu.edu/graduate-program/phd-guidelines/ and BSE Graduate Program Handbook at bsys.e.wsu.edu/graduate-program/current-students/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 15 graded (500-level); 20 BSysE 800 credits; 72 total

Contact Information:
Joanna Dreger, MBA, Academic Coordinator
Biological Systems Engineering
PO Box 646120
LJ Smith 213
Pullman, WA 99461-6120
509-335-1578
joanna-dreger@wsu.edu

Shyam Sablani, PhD, Associate Chair and Graduate Coordinator
Biological Systems Engineering
LJ Smith 213
1935 E. Grimes Way
Pullman, WA 99164-6120
509-335-1578
ssablani@wsu.edu

Biological and Agricultural Engineering, MS
College of Agricultural, Human, and Natural Resource Sciences
Department of Biological Systems Engineering
Website: bsys.e.wsu.edu
Description: The department of Biological Systems Engineering integrates the biological sciences and engineering for the development of engineering solutions to agricultural, food and natural systems. Thesis or nonthesis option.
Location(s): Pullman

Admission and Degree Requirements: See admission requirements at css.wsu.edu/graduate-studies/how-to-apply/ and Graduate Student Handbook at css.wsu.edu/graduate-studies/handbook/

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: thesis (21 graded, 4 Crop Sci 700 (4cr), 30 total); nonthesis (by exception only) (26 graded, 4 Crop Sci 702 (4cr), 30 total)

Contact Information:
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

Crop Science, MS

College of Agricultural, Human, and Natural Resource Sciences

Department of Crop and Soil Sciences

Website: css.wsu.edu

Description: This program allows students to conduct graduate research in a variety of specialized areas within each discipline. Current research in Crop Science is being conducted in the areas of plant breeding, genomics, molecular genetics, grass management, and weed science. We work with wheat, forages, barley, alternative grains (quinoa, spelt, oats), grain legumes, brassicas and turf. We have many research projects in cooperation with the United States Department of Agriculture (USDA) through the USDA Agricultural Research Service (USDA-ARS) and USDA Natural Resources Conservation Service (USDA-NRCS) in addition to research projects being conducted statewide at WSU’s Research and Extension Centers, and in association with other universities.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at css.wsu.edu/graduate-studies/how-to-apply/ and Graduate Student Handbook at css.wsu.edu/graduate-studies/handbook/

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: thesis (21 graded, Crop Sci 700 (4cr), 30 total); nonthesis (by exception only) (26 graded, Crop Sci 702 (4cr), 30 total)

Contact Information:
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

Crop Science, PhD

College of Agricultural, Human, and Natural Resource Sciences

Department of Crop and Soil Sciences

Website: css.wsu.edu

Description: This program allows students to conduct graduate research in a variety of specialized areas within each discipline. Current research in Crop Science is being conducted in the areas of plant breeding, genomics, molecular genetics, grass management, and weed science. We work with wheat, forages, barley, alternative grains (quinoa, spelt, oats), grain legumes, brassicas and turf. We have many research projects in cooperation with the United States Department of Agriculture (USDA) through the USDA Agricultural Research Service (USDA-ARS) and USDA Natural Resources Conservation Service (USDA-NRCS) in addition to research projects being conducted statewide at WSU’s Research and Extension Centers, and in association with other universities.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at css.wsu.edu/graduate-studies/how-to-apply/ and Graduate Student Handbook at css.wsu.edu/graduate-studies/handbook/

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: thesis (21 graded, 4 Crop Sci 700 (4cr), 30 total); nonthesis (by exception only) (26 graded, 4 Crop Sci 702 (4cr), 30 total)
Economics, PhD
College of Agricultural, Human, and Natural Resource Sciences
School of Economic Sciences
Website: ses.wsu.edu/graduatestudies/phdprograms/
Description: The Ph.D. in Economics is designed to prepare students for careers as professional economists in academia, government, and the private sector. The program is structured so that a student with a Bachelor of Arts degree in Economics and an appointment as a graduate assistant should be able to complete the required coursework within three academic years, excluding summer sessions. Students with a Master of Arts in Applied Economics degree may be able to complete the required coursework in less time, depending on the content and quality of the previous work.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at ses.wsu.edu/graduatestudies/phdprograms/ and Graduate Studies Manual at ses.wsu.edu/graduatestudies/
Application Deadline: Fall, January 10
Minimum Required Credits: 39 graded; 20 doctoral research; 72 total (post-baccalaureate)

Contact Information:
Felix Munoz-Garcia, PhD, Graduate Director
School of Economic Sciences
PO Box 646210
Hubert 103H
Pullman, WA 99164-6210
509-335-8402
fmunoz@wsu.edu

Jaimie Dahl, Principal Assistant
School of Economic Sciences
PO Box 646210
Hubert 101D
Pullman, WA 99164-6210
509-335-5555
jaimie@wsu.edu

Entomology, PhD
College of Agricultural, Human, and Natural Resource Sciences
Department of Entomology
Website: entomology.wsu.edu/
Description: Facilities and training are available for graduate study in major areas of entomology, including (but not limited to) apiculture; behavior; integrated biological control and sustainable pest management; ecology; forest entomology; insect/plant interactions; medical/veterinary entomology; population genetics; physiology; systematic; biological diversity and environmental toxicology. Departmental faculty, adjunct faculty, and affiliate faculty may all serve as student advisors. Faculty are housed both on campus and at Research and Extension Centers throughout the state; the ability to significantly interact with both on- and off-campus advisors and mentors offers students opportunities and perspectives not available in most programs. We maintain strong cooperative interactions with the USDA ARS lab in Yakima, Washington. Students whose major advisor resides at a Research and Extension Center (Wenatchee, Prosser, Puyallup, Mt. Vernon or USDA Wapato) typically come to Pullman for at least two semesters then relocate to the center where they will conduct their research and take the remainder of their coursework via AMS/WECN. Each student’s program of study is individualized based on research interests, prior academic experience, and collaboration with their major advisor.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at entomology.wsu.edu/prospective-students/graduate-program/application/ and Entomology Grad Student Handbook at entomology.wsu.edu/prospective-students/graduate-program/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 15 graded (500-level); 20 research (Entom 800-level); 72 total

Contact Information:
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
Entomology, MS
College of Agricultural, Human, and Natural Resource Sciences
Department of Entomology
Website: entomology.wsu.edu/
Description: Curriculum provides the opportunity to study the basic and applied aspects of the science. Facilities and training are available for graduate study in major areas of entomology, including (but not limited to) apiculture; behavior; integrated biological control and sustainable pest management; ecology; forest entomology; insect/plant interactions; medical/veterinary entomology; population genetics; physiology; systematic; biological diversity and environmental toxicology. Departmental faculty, adjunct faculty, and affiliate faculty may all serve as student advisors. Faculty are housed both on campus and at research stations throughout the state; the ability to significantly interact with both on- and off-campus advisors and mentors offers students opportunities and perspectives not available in most programs. We maintain strong cooperative interactions with the USDA ARS lab in Yakima, Washington. Students whose major advisor resides at a Research and Extension Center (Wenatchee, Prosser, Puyallup, Mt. Vernon or USDA Wapato) typically come to Pullman for at least two semesters then relocate to the center where they will conduct their research and take the remainder of their coursework via AMS/WECN. Each student's program of study is individualized based on their research interests, prior academic experience, and collaboration with their major advisor.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at entomology.wsu.edu/prospective-students/graduate-program/application/ and Entomology Grad Student Handbook at entomology.wsu.edu/prospective-students/graduate-program/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: thesis (21 graded, Entom 700 (4cr), 30 total), nontesis (26 graded, Entom 702 (4cr), 30 total)
Contact Information:
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

Environmental and Natural Resource Sciences, PhD
College of Agricultural, Human, and Natural Resource Sciences
College of Arts and Sciences
School of the Environment
Website: environment.wsu.edu/graduate-studies/phd/
Description: Environmental and natural resource sciences comprise an association of several areas of study at WSU. These science focus on factors related to the understanding and management of the environment and therefore have a commonality of interest. The Ph.D. program provides opportunities for doctoral study that involve integration and interaction among the various fields of science. The cooperation of WSU's faculty in environmental and natural resource sciences foster important exchanges of knowledge that greatly enhance interdisciplinary education. The Ph.D. dissertation should be a significant contribution to the environmental and the natural resource sciences, worth of publication in referred international journals.
Location(s): Pullman, Vancouver, Tri-cities
Admission and Degree Requirements: See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 15 graded (for students with M.S.) and 17 graded (for students with B.S.); SOE 800 (20cr); 72 total
Contact Information:
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu
Kelly Huffman
Science and Engineering Building 230
Vancouver, WA 98686
Environmental Science, MS
College of Agricultural, Human, and Natural Resource Sciences
College of Arts and Sciences
School of the Environment
Website: environment.wsu.edu/graduate-studies/masters/
Description: The M.S. degree in an interdisciplinary program with the flexibility for elective classes in the student’s own area of specialization. In consultation with their advisor, students may select classes from a wide variety of areas (i.e. Ecosystem science and management, social science as applied to ecosystem/land management, ecological and land use planning, land and water conservation, air quality management, water quality management, energy and carbon policies). Most students conclude their M.S. Studies with a thesis where the goal is a publishable contribution. Thesis and nonthesis options.
Location(s): Pullman, Vancouver and Tri-Cities
Admission and Degree Requirements: See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.
Application Deadline: Fall, January 10; Spring, July 1
Degree requirements:
thesis (21 graded, SOE 700 (4cr), 30 total)
nonthesis (20 graded, SOE 701 (4cr), 30 total)
Contact Information:
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu

Food Science, MS
College of Agricultural, Human, and Natural Resource Sciences
School of Food Science
Website: sfs.wsu.edu
Description: Food Science is a multidisciplinary science that applies biology, chemistry, physics, engineering, nutrition, and other sciences to improve the safety and quality of food products; develop new food products; and design new, safer, and more energy efficient food preservation methods. Our curriculum emphasizes courses in food processing, food chemistry, food microbiology, sensory evaluation, food quality and regulatory compliance, and other specialized areas. Examples include the processing and manufacturing of cereal, dairy, fruit, and vegetable products, including cheeses, wines, and potatoes. Faculty are housed at WSU Pullman as well as at the Prosser Research and Extension Center, and Wine Science Center on the WSU-Tri-Cities campus. Each student’s program of study is individualized based upon their research interests, prior academic experience, and in collaboration with their major advisor. The School of Food Science (SFS) also works closely with faculty at nearby University of Idaho (UI); some required coursework may be offered through the WSU/UI Coop program.
Location(s): Pullman
Admission and Degree Requirements: Contact Johnson Hall Graduate Center for admission and degree requirements.
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 34 graded (15cr 500-level); Core coursework; 45 research (FS 800-level); 78 total
Contact Information:
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

Food Science, PhD
College of Agricultural, Human, and Natural Resource Sciences
School of Food Science
Website: sfs.wsu.edu
Description: Food Science is a multidisciplinary science that applies biology, chemistry, physics, engineering, nutrition, and other sciences to improve the safety and quality of food products; develop new food products; and design new, safer, and more energy efficient food preservation methods. Our curriculum emphasizes courses in food processing, food chemistry, food microbiology, sensory
evaluation, food quality and regulatory compliance, and other specialized areas. Examples include the processing and manufacturing of cereal, dairy, fruit, and vegetable products, including cheeses, wines, and potatoes. Faculty are housed at WSU Pullman as well as at the Prosser Research and Extension Center, and Wine Science Center on the WSU-Tri-Cities campus. Each student’s program of study is individualized based upon their research interests, prior academic experience, and in collaboration with their major advisor. The School of Food Science (SFS) also works closely with faculty at nearby University of Idaho (UI); some required coursework may be offered through the WSU/UI Coop program.

**Location(s):** Pullman

**Admission and Degree Requirements:** Contact Johnson Hall Graduate Center for admission and degree requirements

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** 21 graded; Core coursework; 10 research (FS 700-level); 31 total

**Contact Information:**
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

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**Geology, PhD**

*College of Agricultural, Human, and Natural Resource Sciences*

*College of Arts and Sciences*

*School of the Environment*

**Website:** environment.wsu.edu/graduate-studies/phd/

**Description:** The Ph.D. dissertation should be a significant contribution to the science of geology, worthy of publication in referred international journals. Geology Ph.D. candidates are required to choose an area of specialization in Sedimentology-Stratigraphy, Structural Geology-Tectonics, Mineroogy-Petrology Geochemistry, Hydrogeology or Geophysics/Geodynamics. Each specialization outlines required courses and provides additional help to design a program. The student’s program should be one of or a combination of not more than two areas. The choice of course options and electives on the program will be based on the students’ research interest and needs.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** 15 graded (for students with M.S.) and 17 graded (for students with B.S.); SOE 800 (20cr); 72 total

**Contact Information:**
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu

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**Geology, MS**

*College of Agricultural, Human, and Natural Resource Sciences*

*College of Arts and Sciences*

*School of the Environment*

**Website:** environment.wsu.edu/graduate-studies/masters/

**Description:** The M.S. degree program in Geology focuses on fundamental questions in Earth Sciences ranging from how the earth formed, how it has evolved through time and how it operates and is hanging today. Geologist at WSU study regions of Earth from its deep interior to its highest mountains. They study earth materials from the building blocks of the planets to the magmas that erupt from volcanoes to the sands of the seashores and they study the Earth and its hydrogeochemical cycles on timescales from its very beginning to the present day.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** thesis (21 graded, SOE 700 (4cr), 30 total); nonthesis (26 graded, SOE 702 (4cr), 30 total)

**Contact Information:**
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu
Horticulture, PhD

*College of Agricultural, Human, and Natural Resource Sciences*

*Department of Horticulture*

**Website:** horticulture.wsu.edu

**Description:** All doctoral candidates conduct independent research leading to a dissertation, with the objective of making a major contribution to the body of scientific knowledge in Horticulture. Portions of the dissertation research are normally published in peer-reviewed journals. Students in this degree option are expected to have completed a research-based master's degree or to have equivalent research experience prior to enrolling in the doctoral program.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at horticulture.wsu.edu/graduate/prospective-students/ and Horticulture Graduate Handbook at horticulture.wsu.edu/graduate/handbook/

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** 21 graded; 4 research (Crop Sci 700-level); 30 total

**Contact Information:**
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

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Horticulture, MS

*College of Agricultural, Human, and Natural Resource Sciences*

*Department of Horticulture*

**Website:** horticulture.wsu.edu

**Description:** This is a research-based degree, involving a formal, major research project. The objectives are to train students in the experimental method and to prepare students for handling major projects after graduation or for entering a doctoral program.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at horticulture.wsu.edu/graduate/prospective-students/ and Horticulture Graduate Handbook at horticulture.wsu.edu/graduate/handbook/

**Application Deadline:** Fall, January 10; Spring, July 1

**Degree Requirements:** 21 graded; SOE 700 (4cr); 30 total

**Contact Information:**
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu

---

Natural Resource Sciences, MS

*College of Agricultural, Human, and Natural Resource Sciences*

*College of Arts and Sciences*

*School of the Environment*

**Website:** environment.wsu.edu/graduate-studies/masters/

**Description:** The School of the Environment offers a program of graduate study and research leading to a Master of Science in Natural Resource Sciences. The M.S. in Natural Resource Sciences emphasizes original research by the student. This degree provides an atmosphere of scholarship coupled with research opportunities that produces people capable of responding to the complicated issues of use, management, protection of the environment and its natural resources. The department has laboratory facilities and greenhouses on campus. Field facilities are located at the Colcokum Multiple-Use Research Unit located near Wenatchee, WA. The University of Idaho is eight miles from the Pullman campus and offers cross-listed courses in conjunction with WSU in natural resource management sciences.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.

**Application Deadline:** Fall, January 10; Spring, July 1

**Degree Requirements:** 21 graded; SOE 700 (4cr); 30 total

**Contact Information:**
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu

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Plant Pathology, PhD

*College of Agricultural, Human, and Natural Resource Sciences*
**Department of Plant Pathology**

**Website:** [plantpath.wsu.edu](http://plantpath.wsu.edu)

**Description:** Doctorate in Plant Pathology requires graded course work and completion of dissertation research. The degree involves study in mycology, bacteriology, nematology, virology, disease physiology and biochemistry, molecular biology of host-parasite relationships, etiology, ecology and epidemiology of plant diseases, disease resistance, and integrated disease management by developing and deploying cultural, chemical, biological, and biotechnological approaches.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at [plantpath.wsu.edu/prospective-students/application-checklist](http://plantpath.wsu.edu/prospective-students/application-checklist) and Department Student Handbook at [plantpath.wsu.edu/current-students/previous-student-handbooks](http://plantpath.wsu.edu/current-students/previous-student-handbooks)

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** 34 graded (25 min 500-level); 20 research (PL_P 800-level); 72 total

**Contact Information:**
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

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**Plant Pathology, MS**

**College of Agricultural, Human, and Natural Resource Sciences**

**Department of Plant Pathology**

**Website:** [plantpath.wsu.edu](http://plantpath.wsu.edu)

**Description:** Plant Pathology is the study of plant diseases caused by pathogens and environmental factors; it involves study in mycology, bacteriology, nematology, virology, disease physiology and biochemistry, molecular biology of host-parasite relationships, etiology, ecology and epidemiology of plant diseases, disease resistance, and integrated disease management using cultural, chemical, biological and biotechnological approaches. Because of its broad mission, the Department of Plant Pathology has strong interrelationships with all other plant- and biology-oriented departments and commodity groups within the state and nationally and internationally. The mission of the department reflects the strategic goals of Washington State University by advancing knowledge of plant pathology through creative research and scholarship, by extending that knowledge worldwide through the training of graduate students, and by applying the knowledge to protect the quality and quantity of the local and global food supply.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at [plantpath.wsu.edu/prospective-students/application-checklist](http://plantpath.wsu.edu/prospective-students/application-checklist) and Department Student Handbook at [plantpath.wsu.edu/current-students/previous-student-handbooks](http://plantpath.wsu.edu/current-students/previous-student-handbooks)

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** 21 graded; 4 research (PL_P 700-level); 30 total

**Contact Information:**
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

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**Prevention Science, PhD**

**College of Agricultural, Human, and Natural Resource Sciences**

**Department of Human Development**

**Website:** [cahnrs.wsu.edu/hd/preventionscience](http://cahnrs.wsu.edu/hd/preventionscience)

**Description:** The Ph.D. program in Prevention Science at Washington State University is an interdisciplinary program; participating faculty are from Human Development, Communication, Educational Psychology, Kinesiology, Psychology, Nursing, Medicine, and Extension. The program emphasizes training in both the generation of research-based knowledge and its translation into effective programs and policies that positively impact the well-being of children, youth, adults, families, and their communities. Examples of prevention programs include drug and alcohol prevention programs; broad based youth development programs; and early childcare and learning quality improvement programs.

**Location(s):** Pullman, with participation systemwide

**Admission and Degree Requirements:** See admission requirements at [hd.wsu.edu/apply-to-graduate-program-2](http://hd.wsu.edu/apply-to-graduate-program-2) and Graduate Student Handbook at [hd.wsu.edu/program-objectives-and-requirements](http://hd.wsu.edu/program-objectives-and-requirements)
Application Deadline: Fall, December 1 (priority), January 31 (final)
Minimum Required Credits: 25 graded; PREV_SCI 700 (6cr); PREV_SCI 800 (20cr); 72 total

Contact Information:
Brittany Rhoades Cooper
518 Johnson Tower
PO Box 644852
Pullman, WA 99164-4852
509-335-2896
brittany.cooper@wsu.edu

Prevention Science, MS
College of Agricultural, Human, and Natural Resource Sciences
Department of Human Development
Note: The M.S. is Prevention Science is only available to students in the Ph.D. program.

Soil Science, PhD
College of Agricultural, Human, and Natural Resource Sciences
Department of Crop and Soil Sciences
Website: css.wsu.edu
Description: Soils may be studied either as natural bodies or as a medium for chemical and biochemical interactions for transport of water, solutes and heat, and for plant growth. Washington State University is located in one of the best geographical areas in the world for the study of soils as naturally occurring bodies. Graduate programs are usually designed to specialize in the physical, chemical, biological, mineralogical, geomorphological, or fertility aspects of the soil system. Current soil science research programs in which graduate students are participating include: unsaturated water flow; soil-plant relationships; stability of minerals and controls on heavy metal levels; nutrient budgets of cropping systems; movement and transformation of pesticides and xenobiotic chemicals; microbial ecology; fate of engineered microorganisms; phytotoxicity and crop residue management; no-till soil and crop management; fertility and mineral nutrition; soil interpretations for land use and development; benchmark soils; agricultural and urban waste recycling. We have many research projects in cooperation with the United States Department of Agriculture (USDA) through the USDA Agricultural Research Service (USDA-ARS) and USDA Natural Resources Conservation Service (USDA-NRCS) in addition to research projects being conducted statewide at WSU’s Research and Extension Centers, and in association with other universities.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at css.wsu.edu/graduate-studies/how-to-apply/ and Graduate Student Handbook at css.wsu.edu/graduate-studies/m-s-ph-d-soil-science/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 15 graded (500-level); 20 research (Soil Sci 800-level); 72 total
Contact Information:
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhge@wsu.edu

Soil Science, MS
College of Agricultural, Human, and Natural Resource Sciences
Department of Crop and Soil Sciences
Website: css.wsu.edu
Description: Soils may be studied either as natural bodies or as a medium for chemical and biochemical interactions for transport of water, solutes and heat, and for plant growth. Washington State University is located in one of the best geographical areas in the world for the study of soils as naturally occurring bodies. Graduate programs are usually designed to specialize in the physical, chemical, biological, mineralogical, geomorphological, or fertility aspects of the soil system. Current soil science research programs in which graduate students are participating include: unsaturated water flow; soil-plant relationships; stability of minerals and controls on heavy metal levels; nutrient budgets of cropping systems; movement and transformation of pesticides and xenobiotic chemicals; microbial ecology; fate of engineered microorganisms; phytotoxicity and crop residue management; no-till soil and crop management; fertility and mineral nutrition; soil interpretations for land use and development; benchmark soils; agricultural and urban waste recycling. We have many research projects in cooperation with the United States Department of Agriculture (USDA) through the USDA Agricultural Research Service (USDA-ARS) and USDA Natural Resources Conservation Service (USDA-NRCS) in addition to research projects being conducted statewide at WSU’s Research and Extension Centers, and in association with other universities.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at css.wsu.edu/graduate-studies/how-to-apply/ and Graduate Student Handbook at css.wsu.edu/graduate-studies/m-s-ph-d-soil-science/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 15 graded (500-level); 20 research (Soil Sci 800-level); 72 total
Contact Information:
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhge@wsu.edu
Agriculture (USDA) through the USDA Agricultural Research Service (USDA-ARS) and USDA Natural Resources Conservation Service (USDA-NRCS) in addition to research projects being conducted statewide at WSU's Research and Extension Centers, and in association with other universities.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at css.wsu.edu/graduate-studies/how-to-apply/ and Graduate Student Handbook at css.wsu.edu/graduate-studies/m-s-ph-d-soil-science/

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: thesis (21 graded, Soil Sci 700 (4cr), 30 total); nonthesis (by exception only) (26 graded, Soil Sci 702, 30 total)

Contact Information:
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

College of Arts and Sciences

American Studies and Culture, PhD
College of Arts and Sciences
School of Languages, Cultures, and Race
Website: slcr.wsu.edu/ph-d-in-american-studies/
Description: The Doctor of Philosophy degree (Ph.D.) in the American Studies program at Washington State University requires a previous bachelor's degree in American studies or a degree in a related discipline in the social sciences or the humanities. The degree aims to achieve both breadth of knowledge in US cultural history and depth of knowledge in an interdisciplinary area of specialization.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at slcr.wsu.edu/apply-grad-degree-american-studies/ and Faculty and Graduate Student Handbook at slcr.wsu.edu/ph-d-in-american-studies/

Application Deadline: Fall, January 10

Minimum Required Credits: 33 graded, AM ST 800 (20cr); 72 total

Contact Information:
Mary Bloodsworth-Lugo, PhD, Graduate Director
Pullman, WA
509-335-8825
bloodsw@wsu.edu

American Studies and Culture, MS
College of Arts and Sciences
School of Languages, Cultures, and Race
Note: The M.S. in American Studies and Culture is only available to students in the Ph.D. program.

Anthropology, PhD
College of Arts and Sciences
Department of Anthropology
Website: anthro.wsu.edu/graduate-studies/
Description: Doctor of Philosophy degrees in Anthropology are offered in archaeology, cultural anthropology and evolutionary anthropology. Our program emphasizes an integrative training approach through a series of requirements that our graduates take in order to establish a solid foundation in Anthropology. Each program area offers specialized courses in methodological, theoretical and regional areas.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at anthro.wsu.edu/graduate-studies/admission/ and Graduate Student Handbook at anthro.wsu.edu/graduate-studies/

Application Deadline: Fall, December 1

Minimum Required Credits: Archaeology (56 graded, ANTH 800 (20cr), 75 total); Cultural Anthropology (37 graded, ANTH 800 (20cr), 72 total); Evolutionary Anthropology (52 graded, ANTH 800 (20cr), 72 total)

Contact Information:
Kam Spelman, Academic/Program Coordinator
Anthropology
College Hall Room 150
PO Box 4910
Pullman, Washington 99164-4910
509-335-3441
kamille.spelman@wsu.edu

Anthropology, MA
College of Arts and Sciences
Department of Anthropology
Website: anthro.wsu.edu/graduate-studies/
Description: Master of Arts degrees in Anthropology are offered in archaeology, cultural anthropology and
evolutionary anthropology. Our program emphasizes an integrative training approach through a series of requirements that our graduates take in order to establish a solid foundation in Anthropology. Each program area offers specialized courses in methodological, theoretical and regional areas.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at anthro.wsu.edu/graduate-studies/admission/ and Graduate Student Handbook at anthro.wsu.edu/graduate-studies/

Application Deadline: Fall, December 1

Minimum Required Credits: Archaeology (31 graded, 34 total); Cultural Anthropology (31 graded, 35 total); Evolutionary Anthropology (28 graded, 32 total)

Contact Information:
Kam Spelman, Academic/Program Coordinator
Anthropology
College Hall Room 150
PO Box 4910
Pullman, Washington 99164-4910
509-335-3768
kamille.spelman@wsu.edu

Biology, PhD

College of Arts and Sciences
School of Biological Sciences
Website: sbs.wsu.edu/graduate-studies/

Description: The School of Biological Sciences offers a rigorous and competitive degree in biology. Students who complete this degree are successful in a broad variety of careers, including those in research universities, teaching colleges, federal and state government and the private sector. Our biology students generally focus on research in the broad areas of ecology, evolution, systematics, molecular biology, and animal and plant physiology.

Location(s): Pullman, Vancouver, Tri-Cities

Admission and Degree Requirements: See admission requirements at sbs.wsu.edu/graduate-studies/apply/ and Graduate Student Handbook at sbs.wsu.edu/helpful-resources-for-graduate-students/

Application Deadline: Fall, January 10; Spring, September 1

Minimum Required Credits: thesis (21 graded, 30 total); nonthesis (26 graded, 30 total)

Contact Information:
Audrey Van Nuland
Abelson 301D
Washington State University
Pullman, WA
509-335-2300
aud.vannuland@wsu.edu

Kelly Huffman
Science and Engineering Building 230
Vancouver, WA 98686
360-546-9636
van.cas.gradcoordinators@wsu.edu

Biology, MS

College of Arts and Sciences
School of Biological Sciences
Website: sbs.wsu.edu/graduate-studies/

Description: The School of Biological Sciences offers a rigorous and competitive degree in biology. Students who complete this degree are successful in a broad variety of careers, including those in research universities, teaching colleges, federal and state government and the private sector. Our biology students generally focus on research in the broad areas of ecology, evolution, systematics, molecular biology, and animal physiology.

Location(s): Pullman, Vancouver, Tri-Cities

Admission and Degree Requirements: See admission requirements at sbs.wsu.edu/graduate-studies/apply/ and Graduate Student Handbook at sbs.wsu.edu/helpful-resources-for-graduate-students/

Application Deadline: Fall, January 10; Spring, September 1

Minimum Required Credits: thesis (21 graded, 30 total); nonthesis (26 graded, 30 total)

Contact Information:
Audrey Van Nuland
Abelson 301D
Washington State University
Pullman, WA
509-335-2300
aud.vannuland@wsu.edu

Kelly Huffman
Science and Engineering Building 230
Vancouver, WA 98686
360-546-9636
van.cas.gradcoordinators@wsu.edu
**Chemistry, PhD**

*College of Arts and Sciences*

*Department of Chemistry*

**Website**: [chem.wsu.edu/earning-a-ph-d/](chem.wsu.edu/earning-a-ph-d/)

**Description**: The Department of Chemistry offers courses of study leading to a Ph.D. degree with opportunities for research in seven fields: analytical, environmental, radiochemistry, materials chemistry, inorganic, organic and bioorganic, and physical chemistry. The low student-to-faculty ratio assures students of individual guidance, yet the total size of the department provides excellent facilities for research, including the latest instrumentation. The program of study for graduate students in the chemistry department provides a good balance between formal course work and research experience. In addition to the normal core classes, first-year graduate students also take a seminar course which provides a forum for the presentation and discussion of current research in chemistry within the department. With this exposure, students are typically comfortable selecting a research advisor by the end of their first semester. Individual divisions also have a weekly seminar program in which graduate students participate, gaining experience in presenting and discussing their own research.

**Location(s)**: Pullman

**Admission and Degree Requirements**: See admission requirements at [chem.wsu.edu/apply-now/](chem.wsu.edu/apply-now/) and [Chemistry Graduate Handbook](chem.wsu.edu/grad-handbooks/)

**Application Deadline**: Fall, February 1; Spring, October 1

**Minimum Required Credits**: 28 graded; CHEM 800 (varies); 72 total

**Contact Information**:

Lori Bruce
Washington State University
PO BOX 644630
Pullman, WA 99164-4630
509-335-0946
509-335-8867
lbruce@wsu.edu

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**Chemistry, MS**

*College of Arts and Sciences*

*Department of Chemistry*

**Website**: [chem.wsu.edu/masters/](chem.wsu.edu/masters/)

**Description**: While the WSU Chemistry graduate program emphasizes the Ph.D. degree, we appreciate that there are circumstances that favor awarding of the M.S. degree. The degree of Master of Science is awarded in recognition of scholarship and contributions to knowledge in the field of Chemistry. The Master’s Degree is based on research carried out in the laboratories of the Department and allows students to gain experience in modern experimental techniques and to familiarize themselves with the daily workings of a laboratory. Master’s Degree students (on either the thesis or nonthesis track) must carry out a research project under the supervision of a member of the Chemistry Department faculty. Master’s students are expected to participate fully in the scientific life of the Department and to attend the various meetings and seminars that take place.

**Location(s)**: Pullman, Tri-Cities

**Admission and Degree Requirements**: See admission requirements at [chem.wsu.edu/apply-now/](chem.wsu.edu/apply-now/) and [Chemistry Graduate Handbook](chem.wsu.edu/grad-handbooks/)

**Application Deadline**: Not accepting applications

**Minimum Required Credits**: *thesis* (21 graded, CHEM 700 (4cr), 30 total); *nonthesis* (26 graded, CHEM 702 (4cr), 30 total)

**Contact Information**:

Lori Bruce
Washington State University
PO BOX 644630
Pullman, WA 99164-4630
509-335-0946
509-335-8867
lbruce@wsu.edu

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**Criminal Justice and Criminology, PhD**

*College of Arts and Sciences*

*Department of Criminal Justice and Criminology*

**Website**: [crmj.wsu.edu/graduate-studies/ph-d-in-criminal-justice/](crmj.wsu.edu/graduate-studies/ph-d-in-criminal-justice/)

**Description**: The mission of Criminal Justice Ph.D. program is to advance the development of criminological and criminal justice research and theory, and to train graduate students to conduct and understand theoretically based research involving crime and the criminal justice system. Upon completion of their graduate program, graduate students in criminal justice will be able to read and...
evaluate data and social science research, analyze and
develop criminal justice policy, conduct independent
research related to criminology and criminal justice,
and communicate original research findings and
analyses of secondary research cogently for
consideration by multiple audiences.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission
requirements at [crmj.wsu.edu/graduate-
sciences/graduate-handbook-and-student-resources/](crmj.wsu.edu/graduate-
sciences/graduate-handbook-and-student-resources/)

**Application Deadline:** Fall, January 10

**Minimum Required Credits:** 28 graded; CRMJ 702
(4cr); 32 total

**Contact Information:**
Maria Orozco, Graduate Coordinator
Criminal Justice and Criminology
PO Box 644011
Pullman, WA 99164-4011
509-335-8611
maria.orozco@wsu.edu

**Criminal Justice and Criminology, MA**

*College of Arts and Sciences*

*Department of Criminal Justice and Criminology*

*Website:* [crmj.wsu.edu/graduate-studies/m-a-in-
criminal-justice/](crmj.wsu.edu/graduate-studies/m-a-in-
criminal-justice/)

*Description:* The M.A. degree in criminal justice is
designed to develop and enhance the student’s
knowledge of criminal justice; expand and develop a
student’s analytical and assessment skills; and further
develop their facility with oral and written
communication and with research. The program is
flexible and provides a superb basis for entry into
graduate work at the doctoral level or applied work
in criminal justice agencies. Approximately 70% of
our M.A. graduates are employed in applied settings
while the balance has pursued teaching and research
careers.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission
requirements at [crmj.wsu.edu/graduate-
sciences/graduate-handbook-and-student-resources/](crmj.wsu.edu/graduate-
sciences/graduate-handbook-and-student-resources/)

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** 48 graded; CRMJ 800
(24cr); 72 total

**Contact Information:**
Maria Orozco, Graduate Coordinator
Criminal Justice and Criminology
PO Box 644011
Pullman, WA 99164-4011
509-335-8611
maria.orozco@wsu.edu

**English, PhD**

*College of Arts and Sciences*

*Department of English*

*Website:* [english.wsu.edu/](english.wsu.edu/)

*Description:* The objective of the Ph.D. program –
including concentrations either in literature or in
rhetoric and composition – is to prepare scholars for
employment in a wide variety of post-secondary
institutions of learning by providing both generalized
and specialized training in literary/cultural theory
and criticism, as well as opportunities to develop
critical and research skills in literary and intellectual
history, rhetorical theory, genre studies, composition
studies, pedagogical theory, linguistics, and other
related fields. The Ph.D. candidate’s course of study is
not designed to confront the student with every
significant piece of writing in the respective field (i.e.,
English and American literature or rhetoric and
composition). Rather, the coursework aims to
produce mature critics and scholars who are widely
read in English and American literature,
knowledgeable about the methods of systematic
scholarship, and competent to function
professionally, not only in the modern university, but
also in related research institutions such as historical
societies, museums, and publishing firms.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission
requirements at [english.wsu.edu/graduate-
sciences/graduate-handbook-and-student-resources/](english.wsu.edu/graduate-
sciences/graduate-handbook-and-student-resources/)

**Application Deadline:** Fall, January 10

**Minimum Required Credits:** 34 graded; 20 research
(800-level); 72 total

**Contact Information:**
English, MA
College of Arts and Sciences
Department of English
Website: english.wsu.edu/graduate-studies/
Description: The M.A. degree has two emphases: literature and rhetoric and composition. The literature emphasis provides a solid foundation for more specialized doctoral study in English or American literature, American studies, comparative literature, or postcolonial anglophone literatures, as well as for professional training in such areas as law, information technology, divinity, journalism, and business. Students pursuing an M.A. in literature may choose either to write a thesis or to prepare a final portfolio. The rhetoric and composition emphasis allows students to specialize in the theory and pedagogy of composition. The degree is designed to prepare candidates for teaching positions at the college level or for doctoral programs with a specialization in composition. Language proficiency requirements are based on the candidate’s expected needs and may be met by linguistics or other language studies.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at english.wsu.edu/graduate-studies/applying-for-admission/ and Graduate Manual at english.wsu.edu/graduate-studies/current-graduate-manual/
Application Deadline: Fall, January 10
Minimum Required Credits: thesis (24 graded, 30 total); portfolio (27 graded, 30 total)
Contact Information:
Tanya Gonzales, Program Coordinator
PO Box 645020
Pullman, WA 99164-5020
509-335-7000
tanya_gonzales@wsu.edu

Environmental and Natural Resource Sciences, PhD
College of Arts and Sciences
College of Agricultural, Human, and Natural Resource Sciences
School of the Environment
Website: environment.wsu.edu/graduate-studies/phd/
Description: Environmental and natural resource sciences comprise an association of several areas of study at WSU. These science focus on factors related to the understanding and management of the environment and therefore have a commonality of interest. The Ph.D. program provides opportunities for doctoral study that involve integration and interaction among the various fields of science. The cooperation of WSU’s faculty in environmental and natural resource sciences foster important exchanges of knowledge that greatly enhance interdisciplinary education. The Ph.D. dissertation should be a significant contribution to the environmental and the natural resource sciences, worth of publication in referred intentional journals, contributions to the environment and natural resource sciences, worth of publication in referred international journals.
Location(s): Pullman, Vancouver, Tri-Cities
Admission and Degree Requirements: See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 15 graded (for students with M.S.) and 17 graded (for students with B.S.); SOE 800 (20cr); 72 total
Contact Information:
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu
Kelly Huffman
Science and Engineering Building 230
Vancouver, WA 98686
360-546-9636
van.cas.gradcoordinators@wsu.edu

Environmental Science, MS
College of Arts and Sciences
College of Agricultural, Human, and Natural Resource Sciences
School of the Environment
Website: environment.wsu.edu/graduate-studies/masters/

Description: The M.S. degree in an interdisciplinary program with the flexibility for elective classes in the student’s own area of specialization. In consultation with their advisor, students may select classes from a wide variety of areas (i.e. Ecosystem science and management, social science as applied to ecosystem/land management, ecological and land use planning, land and water conservation, air quality management, water quality management, energy and carbon policies). Most students conclude their M.S. Studies with a thesis where the goal is a publishable contribution. Thesis and nonthesis options.

Location(s): Pullman, Vancouver and Tri-Cities

Admission and Degree Requirements: See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.

Application Deadline: Fall, January 10; Spring, July 1

Degree requirements: thesis (21 graded, SOE 700 (4cr), 30 total); nonthesis (20 graded, SOE 701 (4cr), 30 total)

Contact Information:
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu

Kelly Huffman
Science and Engineering Building 230
Vancouver, WA 98686
360-546-9636
van.cas.gradcoordinators@wsu.edu

Fine Arts, MFA
College of Arts and Sciences
Department of Fine Arts
Website: finearts.wsu.edu/graduate-studies-2/

Description: The MFA program at Washington State University is a two-year interdisciplinary program where students may focus in, but are not limited to, ceramics, drawing, digital media, painting, photography, printmaking, and sculpture. Emphasis is placed on personal and conceptual artistic development in light of contemporary art practices. Graduates meet with faculty for one-on-one studio discussions. First year students have an exhibition in the departmental gallery and the second year program culminates in a thesis exhibition held in the Museum of Art. A final oral examination and a thesis document are also required.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at gradschool.wsu.edu/degrees/factsheet/master-of-fine-arts/ and MFA Handbook at finearts.wsu.edu/handbook/

Application Deadline: Fall, January 15

Minimum Required Credits: 57 graded; FA 700 (5cr); 62 total

Contact Information:
Krista Brand
Washington State University
PO Box 647450
Pullman, WA 99164-7450
509-335-8686
krista.brand@wsu.edu

Geology, PhD
College of Arts and Sciences
College of Agricultural, Human, and Natural Resource Sciences
School of the Environment
Website: environment.wsu.edu/graduate-studies/phd/

Description: The Ph.D. dissertation should be a significant contribution to the science of geology, worthy of publication in referred international journals. Geology Ph.D. candidates are required to choose an area of specialization in Sedimentology-Stratigraphy, Structural Geology-Tectonics, Mineralogy-Petrology Geochemistry, Hydrogeology or Geophysics/Geodynamics. Each specialization outlines required courses and provides additional help to design a program. The student’s program should be one of or a combination of not more than two areas. The choice of course options and electives on the program will be based on the students’ research interest and needs.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: 15 graded (for students with M.S.) and 17 graded (for students with B.S.); SOE 800 (20cr); 72 total
Contact Information:
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu

Geology, MS
College of Arts and Sciences
College of Agricultural, Human, and Natural Resource Sciences
School of the Environment
Website: environment.wsu.edu/graduate-studies/masters/
Description: The M.S. degree program in Geology focuses on fundamental questions in Earth Sciences ranging from how the earth formed, how it has evolved through time and how it operates and is hanging today. Geologists at WSU study regions of Earth from its deep interior to its highest mountains. They study earth materials from the building blocks of the planets to the magmas that erupt from volcanoes to the sands of the seashores and they study the Earth and its hydrogeochemical cycles on timescales from its very beginning to the present day.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: thesis (21 graded, SOE 700 (4cr), 30 total); nonthesis (26 graded, SOE 702 (4cr), 30 total)

Contact Information:
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu

History, MA
College of Arts and Sciences
Department of History
Website: history.wsu.edu/
Description: The History Department offers programs of study for full-time and part-time students leading to a Master of Arts (M.A.) degree. Students entering the M.A. program in History are expected to show promise of doing excellent work at the graduate level. All M.A. students conduct independent research leading to a written thesis, with the objective of contributing to the body of academic knowledge in History. Research will be focused on a specific Primary Field, which is embedded in a broader General Field that gives a geographical, chronological, and historiographical framework for the research. The program will culminate with a final oral examination.
Location(s): Pullman
Application Deadline: Fall, January 10
Minimum Required Credits: 36 graded; HIST 800 (36cr); 72 total

Contact Information:
Jordan Pike, Recruitment and Graduate Program Coordinator
Wilson Short Hall 301
Pullman, WA 99164
509-335-0432
jordan.pike@wsu.edu

History, PhD
College of Arts and Sciences
Department of History
Website: history.wsu.edu/graduate-studies/
Description: Students entering the Ph.D. program in History are expected to have completed a master’s degree in history or in a related field of study at an accredited college or university, and to show promise of doing excellent work at the doctoral level. All doctoral candidates conduct independent research leading to a written dissertation, with the objective of making a major contribution to the body of academic knowledge in History. Research will be focused on a specific Primary Field, which is embedded in a broader General Field that gives a geographical, chronological, and historiographical framework for the research. The program will culminate with a final oral examination. The strong research emphasis and thesis experience prepare interested students for doctoral programs and careers in research and teaching. Financial aid in the form of an assistantship is available for dedicated, quality full time M.A. students. Thesis and nonthesis option.
Location(s): Pullman

Admission and Degree Requirements: See admission requirements at [history.wsu.edu/graduate-studies/admissions/](https://history.wsu.edu/graduate-studies/admissions/) and [History Graduate Student Handbook at history.wsu.edu/graduate-studies/](https://history.wsu.edu/graduate-studies/)

Application Deadline: Fall, January 10

Minimum Required Credits: 
- thesis (21 graded, HIST 700 (6cr), 30 total)
- nonthesis (26 graded, HIST 702 (4cr), 30 total)

Contact Information:
Jordan Pike, Recruitment and Graduate Program Coordinator
Wilson Short Hall 301
Pullman, WA 99164
509-335-0432
jordan.pike@wsu.edu

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Materials Science and Engineering, PhD

**College of Arts and Sciences**

**Voiland College of Engineering and Architecture**

**Graduate School**

**School of Mechanical and Materials Engineering**

Website: [mme.wsu.edu](http://mme.wsu.edu)

**Description:** Our School offers programs of study for full-time and part-time students leading to the Doctor of Philosophy (Ph.D.) in Materials Science and Engineering. Programs of study are individualized with an interdisciplinary focus. Students are expected to pursue their degree programs with success and to earn the Ph.D. in four years. The program will culminate with a dissertation (Ph.D.).

Location(s): Pullman

Admission and Degree Requirements: See admission requirements and [Graduate Student Handbook at mme.wsu.edu/master-of-materials-science-and-engineering-requirements/](http://mme.wsu.edu/master-of-materials-science-and-engineering-requirements/)

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits:
- thesis (21 graded, ME 598 or MATSE 593 (2cr), MSE 700 (4cr), 30 total)
- nonthesis (27 graded, ME 598 or MATSE 593 (2cr), MSE 702 (4cr), 33 total)

Contact Information:
Graduate Academic Coordinator
School of Mechanical and Materials Engineering
Sloan Hall 203W
PO Box 642920
509-335-4546
mme.gp@wsu.edu

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Mathematics, PhD

**College of Arts and Sciences**

**Department of Mathematics and Statistics**

Website: [math.wsu.edu](http://math.wsu.edu)

**Description:** This degree is awarded in recognition of distinctive scholarship and original contributions to knowledge in Mathematics. The Ph.D. program is especially designed to prepare the student for teaching at the graduate level, and doing mathematical research in academic settings, and in industrial and business settings. Students studying various fields within the realm of pure mathematics would be included in this Ph.D. program. Students can also choose to pursue an emphasis in applied mathematics or education. The Applied Mathematics Option allows students from a range of backgrounds
to pursue a traditional applied mathematics program, while retaining the option to thoroughly learn an area of application. The degree of Ph.D. in Mathematics with Education Emphasis is awarded in recognition of scholarship and original contributions to the teaching and learning of mathematics.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission and degree requirements at [math.wsu.edu/graduatestudies/](http://math.wsu.edu/graduatestudies/)

**Application Deadline:** Fall, January 10; Spring, August 10

**Minimum Required Credits:** 34 graded; MATH 800 (20cr); 72 total

**Contact Information:**
Emily Lewis
Neill Hall 103
Pullman, WA 99164
509-335-8645
elewis@math.wsu.edu

Lynn Schreyer, Graduate Studies Committee Chair
Neill Hall Room 225
Pullman, WA 99164
509-335-3152
lynn.schreyer@wsu.edu

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**Mathematics, MS**

*College of Arts and Sciences*

*Department of Mathematics and Statistics*

**Website:** [math.wsu.edu](http://math.wsu.edu)

**Description:** The Master of Science in Mathematics is offered at Washington State University, along with an Applied Mathematics Option, a Computational Finance Option, and a Mathematics Teaching Option. In all our degree programs we combine a sound general core of fundamental mathematics with electives that reflect individual interests, needs, and opportunities. Each track allows for specialization within the field of mathematics, but all establish a general foundation that should be valuable to students in any mathematical work they do.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission and degree requirements at [math.wsu.edu/graduatestudies/](http://math.wsu.edu/graduatestudies/)

**Application Deadline:** Fall, January 10; Spring, August 10

**Minimum Required Credits:** 26 graded; MATH 702 (4cr); 31 total (for all except Applied Mathematics and Mathematics Teaching options which require minimum 35 total credits)

**Contact Information:**
Emily Lewis, Graduate Coordinator
Mathematics
509-335-8645
elewis@math.wsu.edu

Lynn Schreyer, Graduate Studies Committee Chair
Mathematics
Neill Hall Room 225
Pullman, WA 99164
509-335-3152
lynn.schreyer@wsu.edu

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**Music, MA**

*College of Arts and Sciences*

*School of Music*

**Website:** [music.wsu.edu/graduate-studies/](http://music.wsu.edu/graduate-studies/) and [online.wsu.edu/online-degrees/music-ma/](http://online.wsu.edu/online-degrees/music-ma/)

**Description:** The music program in the School of Music offers the degree of Master of Arts in music, which may be earned through study in areas of music education, composition, music history and literature, conducting, and performance studies. Four emphases are available: music education, performance, composition, or Jazz; but the degree may also be completed without an emphasis. The program offers both thesis and nonthesis options, designed according to the goals of the student. Composition-emphasis students must complete the thesis option.

**Location(s):** Pullman, Global, with participation systemwide

**Admission and Degree Requirements:** See admission requirements at [music.wsu.edu/graduate-studies/](http://music.wsu.edu/graduate-studies/) and [School of Music Policies and Procedures](http://music.wsu.edu/graduate-studies/)

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** thesis (21 graded, 30 total); nonthesis (26 graded, 30 total)

**Contact Information:**
Graduate Program Coordinator
School of Music
PO Box 645300
Kimbrough, Room 260
Natural Resource Sciences, MS
College of Arts and Sciences
College of Agricultural, Human, and Natural Resource Sciences
School of the Environment
Website: environment.wsu.edu/graduate-studies/masters/

Description: The School of the Environment offers a program of graduate study and research leading to a Master’s of Science in Natural Resource Sciences. The M.S. in Natural Resource Sciences emphasizes original research by the student. This degree provides an atmosphere of scholarship couples with research opportunities that produces people capable of responding to the complicated issues of use, management, protection of the environment and its natural resources. The department has laboratory facilities and greenhouses on campus. Field facilities are located at the Colcokum Multiple-Use Research Unit located near Wenatchee, WA. The University of Idaho is eight miles from the Pullman campus and offers cross-listed courses in conjunction with WSU in natural resource management sciences.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at environment.wsu.edu/graduate-studies/admission-process/. Contact School of the Environment for degree requirements.

Application Deadline: Fall, January 10; Spring, July 1

Degree Requirements: 21 graded; SOE 700 (4cr); 30 total

Contact Information:
Janice Raykovich
509-335-8538
janice.raykovich@wsu.edu
soe@wsu.edu

Physics, PhD
College of Arts and Sciences
Department of Physics and Astronomy
Website: physics.wsu.edu/

Description: The Department of Physics and Astronomy doctoral program at Washington State University is designed to produce leaders in industry, in academia, and at national laboratories. The department’s progressive environment seeks to provide an atmosphere that fosters intellectual growth and quantitative reasoning. The program engages students in teaching and research activities that provide the skills, knowledge, and ability for critical thinking that will enable them to be productive members of society. In the process, our goal is to lay the foundations for technological advances that improve our quality of life.

Location(s): Pullman

Admission and Degree Requirements: See admission and degree requirements at physics.wsu.edu/students/graduate/

Application Deadline: Fall, January 10

Minimum Required Credits: thesis (21 graded, PHYS 700 (4cr), 30 total); nonthesis (26 graded, PHYS 702 (4cr), 30 total)

Contact Information:
Robin Stratton, Administrative Manager
Physics and Astronomy
PO BOX 642814
Pullman, WA 99164-2814
509-335-1698
physics@wsu.edu
Plant Biology, PhD
College of Arts and Sciences
School of Biological Sciences
Website: sbs.wsu.edu/graduate-studies/
Description: The School of Biological Sciences offers a rigorous and competitive degree in Plant Biology. Students who complete this degree are successful in a broad variety of careers, including those in research universities, teaching colleges, federal and state government and the private sector. Our plant biology students generally focus on research in the broad areas of plant physiology, ecology, evolution, systematics, and molecular biology.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at sbs.wsu.edu/graduate-studies/apply/ and Graduate Student Handbook at sbs.wsu.edu/helpful-resources-for-graduate-students/
Application Deadline: Fall, January 10; Spring, September 1
Minimum Required Credits: 21 graded; 72 total

Contact Information:
Audrey Van Nuland
Abelson 301D
Washington State University
Pullman, WA
509-335-2300
aud.vannuland@wsu.edu

Plant Biology, MS
College of Arts and Sciences
School of Biological Sciences
Website: sbs.wsu.edu/graduate-studies/
Description: Our plant biology students generally focus on research in the broad areas of plant physiology, ecology, evolution, systematics, and molecular biology.
Location(s): Pullman

Contact Information:
Diane Scott
PO Box 644880
Johnson Tower 801
Pullman, WA 99164-4880
509-335-2545
509-335-7990
scottdj@wsu.edu

Political Science, PhD
College of Arts and Sciences
School of Politics, Philosophy, and Public Affairs
Website: pppa.wsu.edu/graduate-studies/phd-requirements/
Description: Faculty members teach and conduct research in the major subfields of the discipline: American, comparative, international relations, public policy and administration, political theory, and political methodology, with sub-specializations in public law, political communication, political psychology, French and European politics, American foreign policy, gender and politics, environmental policy, and qualitative methodology.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at pppa.wsu.edu/graduate-studies/admissions-and-application-information/ and Graduate Handbook at pppa.wsu.edu/graduate-studies/student-handbook-and-services/
Application Deadline: Fall, January 10
Minimum Required Credits: 34 graded; 20 research (800-level); 72 total

Contact Information:
Diane Scott
PO Box 644880
Johnson Tower 801
Pullman, WA 99164-4880
509-335-2545
509-335-7990
scottdj@wsu.edu
Political Science, MA

College of Arts and Sciences
School of Politics, Philosophy, and Public Affairs

Website: pppa.wsu.edu/graduate-studies/m-a-in-political-science-certificate-in-global-justice-security-studies/
pppa.wsu.edu/m-a-in-political-science-general

Description: Master of Arts in Political Science nonthesis in conjunction with certificate program is a terminal degree program designed to provide students with a specialized qualification better suited for the pursuit of professional careers in federal, state, or local government. The Global Justice Security Studies (GJSS) program targets students intending to pursue largely non-academic, governmental careers as practitioners, whether it be in the field of homeland security, law enforcement, or as analysts within the U.S. intelligence or defense communities.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at pppa.wsu.edu/graduate-studies/admissions-and-application-information/ and Graduate Handbook at pppa.wsu.edu/graduate-studies/student-handbook-and-services/

Application Deadline: Fall, January 10

Minimum Required Credits: nonthesis (27 graded, 31 total)

Contact Information:
Diane Scott
PO Box 644880
Johnson Tower 801
Pullman, WA 99164-4880
509-335-2545
509-335-7990
scottdj@wsu.edu

Psychology (Clinical), PhD

College of Arts and Sciences
Department of Psychology

Website: psychology.wsu.edu/clinical/

Description: The Clinical Psychology Program at Washington State University is based on the scientist-practitioner model of training. The Program is designed to integrate theory, research, and clinical practice in the training of students. Students are thus involved in research activities each semester in the program and clinical practica beginning in the third semester until the start of the 12-month internship. The goal of the program is to train highly competent clinical psychologists who will obtain high quality APA-accredited internships and, with graduation, make positive contributions to the field of clinical psychology. Given that our graduates can potentially make contributions to clinical psychology in academic, research, medical, clinical, or community settings dependent on their interests and goals, the program provides broad, general clinical training during the four to five years that students are at the University. Areas of interest within the Clinical Psychology Program include: Clinical Health and Primary Care Psychology, Neuropsychology, Adult Psychopathology, Clinical Child and Adolescent Psychology, Diversity, and Quantitative Methods in Psychology. The Program is accredited by the American Psychological Association. For additional information about the program’s accreditation status, contact the Commission on Accreditation of the American Psychological Association at: Office of Program Consultation and Accreditation, 750 First Street, NE, Washington, DC 20002-4242, 202-336-5979 (phone), TDD/TTY: 202-336-6123, 202-336-5978 (fax), apaaccred@apa.org (email).

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at psychology.wsu.edu/clinical/graduate-application/ and Clinical Psychology Doctoral Program Manual at psychology.wsu.edu/clinical/ (select program handbook)

Application Deadline: Fall, December 1 (final)

Minimum Required Credits: 48 graded; PSYCH 800 (20 cr); 94 total

Contact Information:
Graduate Program Coordinator
Psychology
PO Box 644820
Washington State University
Psychology (Clinical), MS
College of Arts and Sciences
Department of Psychology
Note: The M.S. in Clinical Psychology is only available to students in the Ph.D. program.

Psychology (Experimental), PhD
College of Arts and Sciences
Department of Psychology
Website: psychology.wsu.edu/experimental/goals-of-the-experimental-program/
Description: The doctoral program in experimental psychology at Washington State University is designed to produce highly skilled, innovative, and productive experimental psychologists in terms of research and teaching. Each student will build their program of study around one or more specialty areas. Graduates will be highly knowledgeable about their specialty areas, have a strong background in general experimental psychology, be able to identify significant research problems, be conversant with a wide variety of strategies for generating and testing hypotheses that emerge from these problems, and be able to effectively communicate these ideas. It is expected that graduates will leave Washington State University well equipped to become successful professionals in competitive research and teaching positions in academia, as well as competitive research or applied positions in government and industry.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at psychology.wsu.edu/experimental/handbook-admission/ and Description of Doctoral Program in Experimental Psychology and Graduate Handbook at psychology.wsu.edu/experimental/
Application Deadline: Fall, December 1 (final)
Minimum Required Credits: 26 graded; PSYCH 800 (20cr); 72 total
Contact Information:
Graduate Program Coordinator
Psychology
PO Box 644820
Washington State University

Psychology (Experimental), MS
College of Arts and Sciences
Department of Psychology
Note: The M.S. in Experimental Psychology is only available to students in the Ph.D. program.

Public Affairs, MPA
College of Arts and Sciences
Interdisciplinary Degree
Note: Program is closing in summer of 2021.
Website: cl.a.vancouver.wsu.edu/public-affairs/masters-degree-mpa
Description: The M.P.A. prepares students for a diverse group of positions in government such as public policy, personnel administration, and strategic planning, as well as a range of jobs outside of government service, such as not-for-profit organizations. M.P.A. students may already be employed in these areas and are seeking this degree to advance professionally in the field. These students can expect to hone their skills and receive further training. Alternatively, the Master of Public Affairs degree is also appropriate for students who would like to shift their career tracks and obtain a position in the public and non-profit sector. The M.P.A. seeks to develop the skills of present and future public administrators and policy analysts in the region to provide them with the tools to meet the challenges of government. In an age when governmental philosophies are continually being redefined, the M.P.A. program is designed to promote professionalism, leadership, inventiveness, and a commitment to public service for government employees in the area of public administration, applied policy studies and health policy administration.
Location(s): Vancouver
Admission and Degree Requirements: See degree requirements at cas.vancouver.wsu.edu/master-public-affairs/requirements
Application Deadline: Not accepting applications; degree closing July 31, 2021
Minimum Required Credits: 22 graded; 34 total
Contact Information:
Sociology, PhD
College of Arts and Sciences
Department of Sociology
Website: soc.wsu.edu/graduate-program/prospective-graduate-students/
Description: The Sociology program at Washington State is designed to integrate research and teaching in the training of students. Students have the opportunity for involvement in collaborative and independent research activities, facilitated by faculty led seminars and research programs. In addition to offering yearly teaching workshops for students who teach their own courses, students participate in a teaching seminar in their second year. The goal of the program, and focus of graduate curriculum, is to train highly competent sociologists who will make constructive contributions to the field of sociology in academic, research, governmental, and community settings.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at soc.wsu.edu/graduate-program/prospective-graduate-students/applying-for-admission/ and Sociology Graduate Student Handbook at soc.wsu.edu/graduate-student-resources/
Application Deadline: Fall, January 10
Minimum Required Credits: 34 graded; 20 research (800-level); 72 total
Contact Information:
Megan Konkel, Program Coordinator
Sociology
Pullman, WA 99164-4020
509-335-4595
megan.konkel@wsu.edu

Sociology, MA
College of Arts and Sciences
Department of Sociology
Note: The M.A. in Sociology is only available to students in the Ph.D. program.

Statistical Science, PhD
College of Arts and Sciences
Department of Mathematics and Statistics
Website: math.wsu.edu/
Description: The Ph.D. in Statistical Science is meant to give students both a strong background in statistics and a working knowledge in a secondary field. Applicants are expected to have a B.S. in statistics, mathematics, or a similar field with courses taken in probability theory and mathematical statistics/statistical theory. Core and elective statistics classes offered through the Department of Mathematics and Statistics are taken in addition to classes from a partnering allied department, such as Biology, Economics, Education, Mathematics, or Psychology. At least one member of the student’s committee is encouraged to be from the appropriate allied department in the student’s field of research. This creates an interdisciplinary curriculum designed to teach students to develop new statistical methods to solve real life problems that arise in their chosen area of concentration.
Location(s): Pullman
Admission and Degree Requirements: See admission and degree requirements at math.wsu.edu/graduates/studies/
Application Deadline: Fall, January 10; Spring, August 10
Minimum Required Credits: 39 graded; STAT 800 (20cr); 72 total
Contact Information:
Emily Lewis
Neill Hall 103
Pullman, WA 99164
509-335-8645
elewis@math.wsu.edu

Lynn Schreyer, Graduate Studies Committee Chair
Neill Hall Room 225
Pullman, WA 99164
509-335-3152
lynn.schreyer@wsu.edu

Statistics, MS
College of Arts and Sciences
Department of Mathematics and Statistics
Website: math.wsu.edu/
Description: This degree is designed to give students skills for identifying and solving statistical problems
arising in various interdisciplinary areas using the fundamental tools of statistical modeling and implementation. Students will learn problem solving skills, the ability to work individually or in groups and communication skills. Students pursuing a Ph.D. in another department can simultaneously work towards an M.S. in Statistics. Please contact the department for more information about this option.

Location(s): Pullman

Admission and Degree Requirements: See admission and degree requirements at [math.wsu.edu/graduatestudies/](math.wsu.edu/graduatestudies/)

Application Deadline: Fall, January 10; Spring, August 10

Minimum Required Credits: 26 graded; STAT 702 (4cr); 30 total

Contact Information:
Emily Lewis
Neill Hall 103
Pullman, WA 99164
509-335-8645
elewis@math.wsu.edu

Lynn Schreyer, Graduate Studies Committee Chair
Neill Hall Room 225
Pullman, WA 99164
509-335-3152
lynn.schreyer@wsu.edu

Carson College of Business

Accounting, MAcc

Carson College of Business
Department of Accounting
Website: [business.wsu.edu/graduate-programs/masters-accounting/admission/](business.wsu.edu/graduate-programs/masters-accounting/admission/)

Description: The Master of Accounting Pullman program has an audit and assurance focus. The degree prepares students for careers as professional accountants in financial institutions, government, industry, nonprofit organizations, and public practice. The Master of Accounting degree is a 32-credit hour program that exposes students to technical accounting topics and emphasizes professional accounting research and writing skills.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at [business.wsu.edu/graduate-programs/masters-accounting/admission/](business.wsu.edu/graduate-programs/masters-accounting/admission/) and degree requirements at [business.wsu.edu/graduate-programs/masters-accounting/curriculum/](business.wsu.edu/graduate-programs/masters-accounting/curriculum/)

Application Deadline: Not accepting applications for 2021-2022 academic year

Minimum Required Credits: 30 graded; 2 research; 32 total

Contact Information:
Marlene Ibsen
242 Todd Hall
PO Box 644729
Pullman, WA 99164-4729
509-335-8541
mibsen@wsu.edu

Business Administration (Accounting), PhD

Carson College of Business
Department of Accounting
Website: [business.wsu.edu/graduate-programs/phd-business/accounting/](business.wsu.edu/graduate-programs/phd-business/accounting/)

Description: The goal of the doctoral program in accounting is to prepare doctoral students to become outstanding accounting researchers/educators in the areas of managerial accounting, financial accounting, auditing, and taxation. The Ph.D. program is research-oriented, emphasizing doctoral students and faculty interaction in order to facilitate quality publication in both behavioral accounting research and archival accounting research.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at [business.wsu.edu/graduate-programs/phd-business/admission/](business.wsu.edu/graduate-programs/phd-business/admission/) and degree requirements at [business.wsu.edu/graduate-programs/phd-business/accounting/](business.wsu.edu/graduate-programs/phd-business/accounting/)

Application Deadline: Fall, January 10

Minimum Required Credits: 36 graded; 24 research; 72 total

Contact Information:
Bernie Wong-On-Wing, PhD Coordinator
Todd Hall 242
PO Box 644729
Pullman, WA 99164-4729
509-335-8541
gpbusadmin@wsu.edu
Business Administration (Finance), PhD
Carson College of Business
Department of Finance and Management Science
Website: business.wsu.edu/graduate-programs/phd-business/finance/
Description: The doctorate in business administration with an emphasis in finance at Washington State University is designed to prepare graduates for careers in research and teaching. The primary goal of the finance doctoral program is to train academics for placements at AACSB-accredited universities throughout the United States and abroad. The program encompasses a variety of formal and informal interactions and projects with faculty and others, as well as course work, comprehensive exams, teaching experience and dissertation research. It enables students to develop substantial competencies in the theory, practice, and research methodology essential to the advancement of finance knowledge, while accommodating individual backgrounds, experiences, and objectives. Course work covers topics associated with the scholarly pursuit of finance as well as topics from supporting fields of inquiry such as economics, accounting, and psychology. Extensive coverage of research methods and statistics associated with finance research is a large component of the program. In addition to specific coursework, the finance doctoral program also provides an environment in which students can develop research competencies in close association with the finance faculty and other graduate students.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at business.wsu.edu/graduate-programs/phd-business/admission/ and degree requirements at business.wsu.edu/graduate-programs/phd-business/finance/
Application Deadline: Fall, not accepting applications
Minimum Required Credits: 37 graded; 24 research; 72 total

Contact Information:
George Jiang, PhD, PhD Coordinator
Finance
PO Box 644746
Todd Addition 482
Pullman, WA 99164-4746
509-335-8727
gpusadmin@wsu.edu

Business Administration (Hospitality and Tourism), PhD
Carson College of Business
Department of Hospitality Business Management
Website: business.wsu.edu/graduate-programs/phd-business/hospitality-tourism/
Description: The Ph.D. in business administration with an emphasis in hospitality and tourism management is designed to prepare graduates for careers in research and teaching at institutions throughout the United States and abroad. Applicants with substantial hospitality and tourism business background are strongly preferred. Incoming students are expected to have both good written and oral communication skills, as well as good analytical skills to facilitate the mastery of research methods and statistics. The course of study requires a battery of hospitality and tourism management courses as well as a group of research design and statistics courses. Students are also expected to take courses from supporting fields of inquiry such as psychology, sociology, management, marketing, etc.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at business.wsu.edu/graduate-programs/phd-business/admission/. Contact coordinator for degree requirements.
Application Deadline: Fall, January 10
Minimum Required Credits: 48 graded; 24 research; 72 total

Contact Information:
Jenny Kim, PhD, Coordinator
School of Hospitality Business Management
Todd Addition 331C
Pullman, WA 99164-4710
509-335-7617
jennykim@wsu.edu

Business Administration (Information Systems), PhD
Carson College of Business
Department of Management, Information Systems, and Entrepreneurship
Website: business.wsu.edu/graduate-programs/phd-business/information-systems/
Description: The Ph.D. program in Management Information Systems aims to develop scholars: individuals who produce compelling original research that is published in the best journals in the field and who share knowledge through the practice of teaching. We aspire to place our students at peer institutions throughout the US and the world. Four learning objectives guide our program. Through your study at WSU you will: 1) Develop comprehensive knowledge of theory and methods used in chosen field and related disciplines. Learn how to execute quality research, including the ability to plan, organize, design, construct, and execute research to assess/test research questions and/or hypotheses; 2) Develop ability to effectively communicate research in writing and oral presentations; 3) Become effective teachers; and 4) MIS doctoral programs vary in their focus. Three broad pillars define the field: technical, economic and managerial. Our principal focus is the managerial pillar, with a strength in behavioral research methods.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at business.wsu.edu/graduate-programs/phd-business/admission/ and degree requirements at business.wsu.edu/graduate-programs/phd-business/information-systems/

Application Deadline: Fall, January 10

Minimum Required Credits: 36 graded; 32 research; 72 total

Contact Information:
Michelle Carter, Associate Professor of Management Information Systems, PhD Coordinator
Department of Management, Information Systems, and Entrepreneurship
Todd 440D
PO Box 644743
Pullman, WA 99164
509-335-6415
michelle.carter@wsu.edu

Business Administration (Management), PhD

Carson College of Business
Department of Management, Information Systems, and Entrepreneurship
Website: business.wsu.edu/graduate-programs/phd-business/business-management/

Description: The Ph.D. in Management requires an understanding of the content of management and the ability to conduct scientific research using tools of statistical analysis and research design. As such, the course of study requires a battery of management courses as well as a group of research design and statistics courses.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at business.wsu.edu/graduate-programs/phd-business/admission/ and degree requirements at business.wsu.edu/graduate-programs/phd-business/business-management/

Application Deadline: Fall, January 10

Minimum Required Credits: 48 graded; 24 research; 72 total

Contact Information:
Arvin Sahaym, Professor, PhD Coordinator
Department of Management, Information Systems, and Entrepreneurship
Todd 437E
Pullman, WA 99164
509-335-6365
arvin@wsu.edu

Business Administration (Marketing), PhD

Carson College of Business
Department of Marketing and International Business
Website: business.wsu.edu/graduate-programs/phd-business/marketing/

Description: The doctorate in business administration with an emphasis in marketing at Washington State University is designed to prepare graduates for careers in research and teaching. The primary goal of the marketing doctoral program is to train academics for placements at AACSB-accredited peer institutions (preferably with a doctoral program of their own) throughout the United States and abroad. Those with a completed master’s degree in a business discipline can complete the doctorate in four years of full-time resident study. The program encompasses a variety of formal and informal interactions and projects with faculty and others, as well as course work, comprehensive exams, and dissertation research. It enables students to develop substantial competencies in the theory, practice, and research methodology essential to the advancement of marketing knowledge, while accommodating individual
backgrounds, experiences, and objectives. Course work covers topics associated with the scholarly pursuit of marketing as well as topics from supporting fields of inquiry such as psychology, sociology, and management. Extensive coverage of research methods and statistics associated with the social sciences also is a large component of the program. In addition to specific coursework, the marketing doctoral program also provides an environment in which students can develop research competencies in close association with the marketing faculty and other graduate students.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at [business.wsu.edu/graduate-programs/phd-business/admission/](http://business.wsu.edu/graduate-programs/phd-business/admission/). Contact department for degree requirements.

**Application Deadline:** Fall, January 10

**Minimum Required Credits:** 36 graded; 32 research; 72 total

**Contact Information:**
Elizabeth Howlett, PhD
Department of Marketing and International Business
509-335-4752
betsy.howlett@wsu.edu

Darrel Muehling, PhD
darrel@wsu.edu

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**Business Administration (Operations and Management Science), PhD**

Carson College of Business

Department of Finance and Management Science

**Website:** [business.wsu.edu/graduate-programs/phd-business/management-operations/](http://business.wsu.edu/graduate-programs/phd-business/management-operations/)

**Description:** The program in Operations and Management Science prepares students for careers in business, industry, or government using expertise garnered in applied problem solving and data analysis. Students receive rigorous fundamental training in statistics, research methods, mathematics, and operations research, followed by theoretical study within their respective fields of interest. All students are expected to produce publishable research for peer-reviewed journals prior to graduation.

**Location(s):** Pullman

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**Admission and Degree Requirements:** See admission requirements at [business.wsu.edu/graduate-programs/phd-business/admission/](http://business.wsu.edu/graduate-programs/phd-business/admission/). Contact department for degree requirements.

**Application Deadline:** Fall, January 10

**Minimum Required Credits:** 39 graded; 30 research; 72 total

**Contact Information:**
Yixuan Xiao, PhD, PhD Coordinator
Department of Finance and Management Science
Todd Addn 480
Pullman, WA 99164-4746
509-335-8238
yixuan.xiao@wsu.edu

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**Business Administration, MBA**

Carson College of Business

Professional degree

**Website:** [onlinemba.wsu.edu/?Access_Code=WSU-MBA-SEO2&utm_campaign=WSU-MBA-SEO2](http://onlinemba.wsu.edu/?Access_Code=WSU-MBA-SEO2&utm_campaign=WSU-MBA-SEO2)

**Description:** Earn your Online M.B.A. from Washington State University to build the strategic acumen to modernize your expertise and the global-focused business intelligence necessary to put it into action. The M.B.A. curriculum can help you develop entrepreneurial instincts, organizational decision-making, and the critical thinking capacity to thrive in modern business. Concentrations include general, marketing, finance, international business, and hospitality business management.

**Location(s):** Global Campus

**Admission and Degree Requirements:** See admission requirements at [onlinemba.wsu.edu/mba/enrollment-details/](http://onlinemba.wsu.edu/mba/enrollment-details/). Contact department for degree requirements.

**Application Deadline:** Fall 2020 (August 12, September 7, October 12); Spring 2021 (December 7, January 25, March 1); Summer 2021 (April 12, May 17, June 21); Fall 2021 (July 26, September 6, October 11)

**Minimum Required Credits:** 36-52 total

**Contact Information:**
Online MBA Admissions
[onlinemba.wsu.edu](http://onlinemba.wsu.edu) for live chat with advisor
877-348-8154
admissions@wsumba.com
Professional degree
Website: onlinemba.wsu.edu/?Access_Code=WSU-MBA-SEO2&utm_campaign=WSU-MBA-SEO2
Description: Earn your Executive M.B.A. Online from the WSU Carson College of Business and develop executive-level strategic expertise. The E.M.B.A. curriculum can help you master cross-functional leadership, hone your entrepreneurial abilities, gain global perspective, and build the business planning capacity to thrive as a modern decision-maker.
Location(s): Global Campus
Admission and Degree Requirements: See admission requirements at onlinemba.wsu.edu/mba/enrollment-details/. Contact department for degree requirements.
Application Deadline: Fall 2020 (August 12); Spring 2021 (December 7); Summer 2021 (April 12); Fall 2021 (July 26)
Minimum Required Credits: 44 total

Contact Information:
Online MBA Admissions
onlinemba.wsu.edu/ for live chat with advisor
877-348-8154
admissions@wsumba.com

Edward R. Murrow College of Communication
Communication, PhD
Website: murrow.wsu.edu/academics/graduate-studies/phd-main/prospective-students-phd/ and Graduate Handbook (PhD) at murrow.wsu.edu/academics/graduate-programs/phd-main/graduate-handbook-phd/
Description: The doctoral program in Communication provides world class curriculum, faculty, and facilities to prepare students as scholars and educators. In our doctoral program, you will work with diverse faculty who study health communication, intercultural and international communication, media processes and effects, media and society, and organizational communication. Our program centers on: Media, Society and Politics; Media and Health Promotion; and Science and Environmental Communication.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at murrow.wsu.edu/academics/graduate-programs/phd-main/prospective-students-phd/ and Graduate Handbook (PhD) at murrow.wsu.edu/academics/graduate-programs/phd-main/graduate-handbook-phd/
Application Deadline: Fall, November 1 (priority); December 1 (final)
Minimum Required Credits: 45 graded; 30 research; 75 total

Contact Information:
Jeremy Watson, Academic Coordinator
Murrow College of Communication
PO Box 642520
Pullman, WA 99164-2520
communication@wsu.edu

Communication, MA
Website: murrow.wsu.edu/academics/graduate-studies/masters/
Description: The M.A. in Communication provides world class curriculum, faculty, and facilities to prepare students as scholars wanting to progress to a Ph.D., educators or those who want to go into the professional world. In our M.A. program, you will work with diverse faculty who study health communication, science communication, and media society and politics.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at murrow.wsu.edu/academics/graduate-programs/masters-degree-main/prospective-students/ and Graduate Handbook (MA) at murrow.wsu.edu/academics/graduate-programs/masters-degree-main/graduate-handbook-ma/
Application Deadline: Fall, November 1 (priority), December 1 (final)
Minimum Required Credits: 27 graded; 33 total

Contact Information:
Jeremy Watson, Academic Coordinator
Murrow College of Communication
PO Box 642520
Pullman, WA 99164-2520
communication@wsu.edu

Health Communication and Promotion, MA
Edward R. Murrow College of Communication

Website: onlinemastratcomm.murrow.wsu.edu/online-macomhlth/

Description: Washington State University’s online master’s degree in Health Communication and Promotion is designed for those who work in communication fields and health sciences and are seeking to refresh and update their skills or specialize in health communication and promotion. The program is also tailored for individuals who want to enter the profession of health communication and promotion or enhance their credentials to meet Murrow College standards for ethics, integrity, and leadership within the field of health communication. Whether you have no training in health communication or are a seasoned professional, the degree will advance and energize your career. Our multidisciplinary approach: 1) Offers expertise in new and traditional media; 2) Teaches students how to gather and analyze information and use those findings in creating health and public awareness campaigns; 3) Furs skills in analyzing information and designing health communication strategies, programs, and initiatives; 4) Advances student knowledge in communication monitoring, metrics and reporting effectiveness of outreach efforts; 5) Trains students, in the tradition of Edward R. Murrow, to create messages that are both strategic and responsible; and 6) Includes weekly online instructor office hours, frequent student self-assessment tools, ongoing interaction with other students, and a cohort structure in which students go through the program with the same group.

Location(s): Global Campus

Admission and Degree Requirements: See admission requirements and degree requirements at murrow.wsu.edu/academics/murrow-online/macomhlth/

Application Deadline: Fall, August 1; Spring, December 1; Summer, April 15

Minimum Required Credits: 27 graded; 3 capstone; 30 total

Contact Information:
Jeremy Watson, Academic Coordinator
Murrow College of Communication
PO Box 642520
Pullman, WA 99164-2520

communication@wsu.edu

Strategic Communications, MA
Edward R. Murrow College of Communication

Website: online.wsu.edu/grad/StratComm.aspx/

Description: Washington State University’s online M.A. in Strategic Communication is designed for those who want to excel in advertising, public relations, corporate communication, and communication management. This degree will advance and energize your career. Our multidisciplinary approach offers training in new and traditional media, critical for today’s strategic communications; teaches students how to gather and analyze information and use those findings in creating communication campaign; trains students, in the tradition of Edward R. Murrow, to create messages that are both strategic and responsible; includes weekly online instructor office hours, frequent student self-assessment tools, ongoing interaction with other students, and a flexible timeline for completion. The program offers hands-on training in the most advanced platforms, tools, and techniques. You will work closely with industry professionals and faculty to learn audio and video software, graphic design tools, new media, and publication layouts. By the time you are finished, you will have created multimedia materials that are evaluated by peers and produced as portfolio-quality items stored online. This work can be tailored to each individual career, or even your specific job needs.

Location(s): Global Campus

Admission and Degree Requirements: See admission requirements at onlinemastratcomm.murrow.wsu.edu/apply/ and Student Handbook at murrow.wsu.edu/academics/murrow-online/mastratcomm/

Application Deadline: Fall, August 1; Spring, December 1; Summer, April 15

Minimum Required Credits: 27 graded; 3 capstone; 30 total

Contact Information:
Jeremy Watson, Academic Coordinator
Murrow College of Communication
PO Box 642520
Pullman, WA 99164-2520
509-335-5608
College of Education

Athletic Training, MAT

College of Education
Department of Kinesiology and Educational Psychology

Website:
education.wsu.edu/undergradprograms/athletictraining/

Description: The mission of the Athletic Training Program (ATP) at Washington State University (WSU) is to provide future athletic trainers with the highest quality of education, knowledge, and skills to enhance the health and well-being of physically active populations throughout our community and the world. Students who graduate from the program will be well-prepared for the Board of Certification (BOC) Examination and a future in helping all individuals safely participate in physical activity. As faculty, we educate our students with the most current evidence-based and practical knowledge while providing an example of expert, professional, and compassionate service.

Location(s): Pullman

Admission and Degree Requirements: See admission and degree requirements at education.wsu.edu/undergradprograms/athletictraining/programoverview/

Application Deadline: Students apply to the M.A.T. in the final semester of their B.S. degree.

Licensure: M.A.T. degree allows the graduate to sit for the Board of Certification exam to become a certified AT and become eligible for licensure in most states.

Minimum Required Credits: 40 graded; ATH T 598 (3cr); 40 total

Contact Information:
Kasee Hildenbrand
Smith Gym 211C
Pullman, WA 99164-1410
509-335-8834
509-335-4594
khildenbrand@wsu.edu

Cultural Studies and Social Thought in Education, PhD

College of Education
Department of Teaching and Learning

Website:
education.wsu.edu/graduate/culturalstudies/

Description: The Cultural Studies and Social Thought in Education (CSSTE) Ph.D. is a rigorous, flexible, and individually tailored course of study that focuses on the issues of culture and power in the contemporary and historical contexts of education. Cultural studies includes popular culture and media, social justice, environment, ethics, aesthetics, race, ethnicity, gender, and social class, which are applied to a range of educational sub-fields that include literacy, educational leadership, teacher leadership, school reform, curriculum theory, higher education, science, art, special education, and bilingual/ELL (English Language Learners). The overall goal of the faculty is to articulate a cohesive and supportive community of educational scholarship and practice. While coursework is important, we work to establish a strong program of mentorship in which doctoral candidates are mentored into the world of research, knowledge generation and dissemination, and pedagogical and social action. We are committed to the idea that our scholarly endeavors stimulate positive change in schools and the communities and society those schools serve. Education, whether it takes place in the formal settings of schools and museums or the informal contexts of home and the movie theater, is defined by its cultural context. Cultural studies take these cultural contexts as the essential starting point to build research projects and define teaching practices.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and Doctoral Handbook at education.wsu.edu/graduate/culturalstudies/overview/

Application Deadline: Fall, December 1

Minimum Required Credits: 45 graded; CSSTE 800 (20cr); 72 total

Contact Information:
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195
509-335-7016
Curriculum and Instruction, MA
College of Education
Department of Teaching and Learning
Website: education.wsu.edu/graduate/curriculum/
Description: The Master of Arts (M.A.) degree is designed for students who desire to study and explore educational research. The M.A. degree is well suited for those students wishing to eventually pursue a doctoral degree or a research/leadership role in schools or organizations/agencies. The Curriculum and Instruction specialization offers students rigorous and individually tailored programs of study. The master’s degree programs are designed for students with bachelor’s degrees who have an interest in deepening their knowledge in a specific content area (in or outside the College of Education) as well as educational research in curriculum and instruction. The program also emphasizes applying research, theory, and evidence-based practices to improve education. This specialization is designed especially for teachers who wish to take courses in their teaching field as well as advanced coursework in teaching and learning.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and T&L Master Handbook at education.wsu.edu/graduate/curriculum/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 21 graded; 30 total
Contact Information:
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195
509-335-7016
gradstudies@wsu.edu

Curriculum and Instruction, EdM
College of Education
Department of Teaching and Learning
Website: education.wsu.edu/graduate/curriculum/
Description: The Ed.M. degree is designed for students wishing to extend their knowledge and skills in education, expand their content knowledge, and/or pursue leadership roles in schools and organizations/agencies. The Curriculum and Instruction specialization offers students rigorous and individually tailored programs of study. The master’s degree programs are designed for students with bachelor’s degrees who have an interest in deepening their knowledge in a specific content area (in or outside the College of Education) as well as educational research in curriculum and instruction. The program also emphasizes applying research, theory, and evidence-based practices to improve education. This specialization is designed especially for teachers who wish to take courses in their teaching field as well as advanced coursework in teaching and learning.
Location(s): Pullman, Spokane, and Tri-Cities
Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and T&L Master Handbook at education.wsu.edu/graduate/curriculum/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 29 graded; TCH LRN 702 (2cr); 31 total
Contact Information:
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195
509-335-7016
gradstudies@wsu.edu
WSU Spokane College of Education
Kelly LaGrutta, Academic Coordinator
PO Box 1495
Spokane, WA 99210-1495
509-358-7942
lagrutta@wsu.edu
WSU Tri-Cities College of Education
Charlie Wagner, Academic Coordinator
2710 Crimson Way
Richland, WA 99354-1671
509-372-7394
charlene.wagner@wsu.edu
**Educational Leadership, PhD**

*College of Education*

*Department of Educational Leadership and Sport Management*

**Website:** education.wsu.edu/graduate/edleadership/

**Description:** The program for the Doctor of Philosophy (Ph.D.) in Educational Leadership with a specialization in K-12 is intended to prepare scholars and researchers and focuses on developing and applying theoretical and research knowledge and skills to the field of leadership studies. The Ph.D. program is designed primarily for students who intend to pursue careers in policy, research, or college and university teaching. It may also be appropriate for students who are interested in careers in K-12 education or related fields, though it is more theory and research oriented than the Doctor of Education (Ed.D.) degree.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at education.wsu.edu/students/apply/ and Ed Leadership PhD Handbook at education.wsu.edu/graduate/edleadership/phded/

**Application Deadline:** Fall, December 1

**Minimum Required Credits:** 36 graded; EDAD 800 (24cr); 72 total

**Contact Information:**

WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195
509-335-7016
gradstudies@wsu.edu

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**Educational Leadership, EdD**

*College of Education*

*Department of Educational Leadership and Sport Management*

**Website:** education.vancouver.wsu.edu/edd-educational-leadership

**Description:** The statewide Doctor of Education (Ed.D.) in Educational Leadership prepares practitioner-scholars for leadership in education at the local, state, and national levels. Program content is both practical and scholarly; it blends issues important to practicing educational leaders with scholarship that can help analyze and address these issues. Program faculty are highly experienced school professionals and nationally recognized academic scholars who contribute to the central purpose of the program: preparing practitioner-scholars for effective and meaningful leadership. The Ed.D. dissertation is intended to study and address a contemporary problem of practice in K-20 schools through a leadership lens. This is a modified cohort program, with a new cohort admitted once each year in the fall. Students enrolled in two classes each semester will finish the coursework portion of their program in two and a half years. Students making continual progress could complete the degree in four years, though it is common for students balancing educational, professional, and personal demands to finish in five years. The maximum time to complete is 10 years. The program is offered on-site at all of WSU's campuses (Everett, Pullman, Spokane, Tri-Cities, and Vancouver). Students who live 50+ miles from a WSU campus can seek approval to attend classes synchronously via Zoom Video Conferencing. The program is designed as a part-time, evening program for working professionals. During the fall and spring semesters each course is offered one night per week. Summer classes (required) are typically taught using a hybrid schedule, which would include a combination of videoconference class sessions, online activities, and one or more face-to-face weekend sessions on a WSU campus. WSU’s Educational Leadership program is one of 70 doctoral-granting programs nationwide selected for membership in the University Council for Educational Administration, a national consortium dedicated to the improvement of educational leadership preparation and practice.

**Locations:** Everett, Pullman, Spokane, Tri-Cities, and Vancouver

**Admission and Degree Requirements:** See admission and degree requirements at education.vancouver.wsu.edu/edd-educational-leadership or contact Jennifer Gallagher at j.gallagher@wsu.edu for current information.

**Application Deadline:** Fall; February 1 (priority); April 1 (final on a space-available basis)

**Minimum Required Credits:** 42 graded; ED_AD 800 (20cr); 72 total

**Contact Information:** This state-wide program is coordinated out of the WSU Vancouver campus.

Jennifer Gallagher, Academic Coordinator
14204 NE Salmon Creek Ave.
Undergraduate Building (VUB) 308
Vancouver, WA 98686
360-546-9075
**Educational Leadership, MA**

*College of Education*

*Department of Educational Leadership and Sport Management*

*Website:* [education.wsu.edu/graduate/edleadership/]

*Description:* The Educational Leadership Master of Arts in Education (M.A.) is a thesis degree designed for professional educators who plan to subsequently pursue a research-based doctoral program (Ph.D.). It is offered only on the Pullman campus and is closely aligned with the Principal and Program Administrator Certification program.

*Location(s):* Pullman

*Admission and Degree Requirements:* See admission requirements at [education.wsu.edu/students/apply/](http://education.wsu.edu/students/apply/) and [Ed Leadership Master’s Degree Handbook at education.wsu.edu/graduate/edleadership/education_ma/](http://education.wsu.edu/graduate/edleadership/education_ma/)

*Application Deadline:* Fall, January 10; Spring, July 1

*Minimum Required Credits:* 21 graded; EDAD 700 (4cr); 30 total

*Contact Information:*
  - Office of Graduate Education
  - WSU Pullman College of Education
  - Cleveland Hall 70
  - PO Box 642114
  - Pullman, WA 99164-2114
  - 509-335-9195
  - 509-335-7016
  - [gradstudies@wsu.edu](mailto:gradstudies@wsu.edu)

**Educational Leadership, EdM**

*College of Education*

*Department of Educational Leadership and Sport Management*

*Website:* [education.wsu.edu/graduate/edleadership/]

*Description:* The Educational Leadership Master of Education (Ed.M.) is a nonthesis degree program designed for professional educators preparing for leadership positions in K-12 schools. It is offered at all four WSU campuses and is closely aligned with the Principal and Program Administrator Certification program. Models for delivery of the master’s program (e.g., sequencing of courses) differ slightly across the four campuses, although basic requirements for the degree are the same across the campuses.

*Location(s):* Pullman, Spokane, Tri-Cities, and Vancouver

*Admission and Degree Requirements:* See admission requirements at [education.wsu.edu/students/apply/](http://education.wsu.edu/students/apply/) and [Ed Leadership Master’s Degree Handbook at education.wsu.edu/graduate/edleadership/masterofed/](http://education.wsu.edu/graduate/edleadership/masterofed/)

*Application Deadline:* Fall, January 10; Spring, July 1

*Minimum Required Credits:* 33 graded; EDAD 702 (2cr); 35 total

*Contact Information:*
  - WSU Spokane College of Education
  - Kelly LaGrutta, Academic Coordinator
  - PO Box 1495
  - Spokane, WA 99210-1495
  - 509-358-7942
  - [lagrutta@wsu.edu](mailto:lagrutta@wsu.edu)

  - WSU Tri-Cities College of Education
  - Charlie Wagner, Academic Coordinator
  - 2710 Crimson Way
  - Richland, WA 99354-1671
  - 509-372-7394
  - [charlene.wagner@wsu.edu](mailto:charlene.wagner@wsu.edu)

  - WSU Vancouver College of Education
  - Jennifer Gallagher, Academic Coordinator
  - Undergraduate (VUB) 308
  - Vancouver, WA 98686
  - 360-546-9075
  - [j.gallagher@wsu.edu](mailto:j.gallagher@wsu.edu)

**Educational Psychology, PhD**

*College of Education*

*Department of Kinesiology and Educational Psychology*

*Website:* [education.wsu.edu/graduate/edpsych/]

*Description:* The Doctor of Philosophy (Ph.D.) in Educational Psychology degree program, with core requirements in research, evaluation, and
measurement and learning theory, provides students with a solid academic foundation in educational measurement and evaluation. Assistantships for educational psychology students in the center provide unique opportunities to apply theoretical concepts and methodologies of program evaluation and educational and psychological measurement to specific practical projects in various educational settings through partnerships with school districts, state agencies, and other social service organizations. Successful professionals in this field have strong methodological skills, an understanding of researchable topics, the ability to develop a research program, the ability to communicate and work with a wide variety of professionals, and the skills to understand nuance and ambiguity in the work environment. Through faculty and student partnerships across campus, the program provides an exciting, interdisciplinary atmosphere for course and field study.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at [education.wsu.edu/students/apply/](http://education.wsu.edu/students/apply/) and [Ph.D. Educational Psychology Handbook at education.wsu.edu/graduate/edpsych/phd/](http://education.wsu.edu/graduate/edpsych/phd/)

**Application Deadline:** Fall, December 1

**Minimum Required Credits:** 42 graded; EDPSYCH 800 (22cr); 72 total

**Contact Information:**
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195
509-335-7016
gradstudies@wsu.edu

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**Educational Psychology, MA**

**College of Education**

**Department of Kinesiology and Educational Psychology**

**Website:** [education.wsu.edu/graduate/edpsych/](http://education.wsu.edu/graduate/edpsych/)

**Description:** The Master of Arts (M.A.) in in Educational Psychology are a concentration in research, evaluation, psychometrics, and cognition. While students in educational psychology complete a common core of courses, a portion of each master’s degree program is composed of courses selected by the student and his/her advisory committee to tailor the program of study around the student’s personal interests and professional aspirations. Recipients of the master’s degree in educational psychology are well prepared to continue doctoral level training if so desired. However, the master’s degree would give access to entry-level positions in this intriguing field that presents an ever-changing, challenging, and rewarding work environment. The M.A. requires the completion of a written thesis. Graduates from this program have the opportunity to make contributions to the improvement of educational settings (e.g., schools, universities), to have some influence on individuals through consultation on programs, methods, or to provide information through analysis to individuals who shape policy. Experienced individuals in this profession can expect to earn a good salary and maintain an interesting and fulfilling career in employment in private firms, school districts, business, industry, or state agencies as program evaluators, student assessment coordinators, research technicians, or data analysts, as examples.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at [education.wsu.edu/students/apply/](http://education.wsu.edu/students/apply/) and [M.A. Educational Psychology Handbook at education.wsu.edu/graduate/edpsych/ma/](http://education.wsu.edu/graduate/edpsych/ma/)

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** 34 graded; EDPSYCH 700 (11cr); 45 total

**Contact Information:**
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195; 509-335-7016
gradstudies@wsu.edu

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**Kinesiology, MS**

**College of Education**

**Department of Kinesiology and Educational Psychology**

**Website:** [education.wsu.edu/graduate/kinesiologygraduateprogram/](http://education.wsu.edu/graduate/kinesiologygraduateprogram/)

**Description:** The Master of Science in Kinesiology is the comprehensive study of multiple factors that affect human movement and is comprised of a wide
range of sub-disciplines (e.g., exercise physiology, motor learning, biomechanics, physical activity, sport/exercise psychology). The mission of the kinesiology program is to generate, interpret, disseminate, and apply kinesiology discipline knowledge across various contexts to enhance health, productivity, and quality of life. Students will learn to take advantage of the interdisciplinary nature of the field for broad understanding of human movement behavior in different contexts. Students will gain a working knowledge of the various sub-disciplines in Kinesiology and the ability to see their connections. This degree offers a thesis and nonthesis track.

Location(s): Pullman
Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and degree requirements at education.wsu.edu/graduate/kinesiologygraduateprogram/kinesiology-graduate-program-program-content/
Application Deadline: Fall, December 1
Minimum Required Credits: 25-31 graded; KINES 700 (thesis, 9cr) or KINES 702 (nonthesis, 3cr); 34 total

Contact Information:
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195; 509-335-7016
gradstudies@wsu.edu

Language, Literacy and Technology, PhD
College of Education
Department of Teaching and Learning
Website: education.wsu.edu/graduate/lit/overview/
Description: The Language, Literacy and Technology (LLT) Doctor of Philosophy (Ph.D.) program addresses issues of teaching, learning and the wide range of literacies as they play out in formal and informal learning contexts. In addition, LLT emphasizes the generation, application, and translation of research that will enhance the field of education through the exploration of language, literacy, and technology. The course of study for the Doctor of Philosophy in LLT is rigorous, flexible and individually tailored. It includes a minimum of 52 graded credits plus minimum 20 dissertation hours (72 total hours).

Location(s): Pullman
Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and LLT Doctoral Handbook at education.wsu.edu/graduate/lit/overview/
Application Deadline: Fall, December 1
Minimum Required Credits: 52 graded; 20 research; 72 total

Contact Information:
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195; 509-335-7016
gradstudies@wsu.edu

Language, Literacy, and Technology, MA
College of Education
Department of Teaching and Learning
Website: education.wsu.edu/graduate/lit/
Description: The M.A. in education is a thesis degree with a specialization in literacy education is designed for students who wish to focus on educational research in language and literacy and who may pursue a doctoral degree. The degree is well suited for those students wishing to eventually pursue a doctoral degree or a research/leadership role in schools or organizations/ agencies. The purpose of the thesis is to demonstrate your understanding of educational research and theory and demonstrates your ability to design and implement a research study, as well as analyze and synthesize the results of the study.

Location(s): Pullman
Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and LLT Master’s Handbook at education.wsu.edu/graduate/lit/language-literacy-technology-lit-masters-program-overview/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 30 graded; TCH LRN 700 (4cr); 34 total

Contact Information:
Office of Graduate Education
Language, Literacy, and Technology, EdM
College of Education
Department of Teaching and Learning
Website: education.wsu.edu/graduate/lit/
Description: The Language, Literacy, and Technology graduate program prepares graduates for academic and leadership positions in teaching, research, and service with a focus on equity and social justice. The graduate program in Language, Literacy, and Technology includes a broad curriculum of study, including foundational courses in: literacy within the disciplines, the study of computer-assisted language and literacy development, bilingual education programs, teaching students from linguistically diverse backgrounds and communicating in a multilingual and multiliterate society. The nonthesis Ed.M. degree with a specialization in literacy education focuses on K-12. Its purpose is to develop teachers' or other professionals' knowledge and skills.
Location(s): Pullman, Spokane, and Tri-Cities
Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and LLT Master's Handbook at education.wsu.edu/graduate/lit/language-literacy-technology-llt-masters-program-overview/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 30 graded; TCH LRN 702 (2cr); 32 total

Contact Information:
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195; 509-335-7016
gradstudies@wsu.edu

Kelly LaGrutta, Academic Coordinator
WSU Spokane College of Education
CCRS 225
PO Box 1495

Spokane, WA 99210-1495
509-358-7942
lagrutta@wsu.edu

Charlie Wagner, Academic Coordinator
WSU Tri-Cities College of Education
Floyd Building 207A
2710 Crimson Way
Richland, WA 99354-1671
509-372-7394
charlene.wagner@wsu.edu

Mathematics and Science Education, PhD
College of Education
Department of Teaching and Learning
Website: education.wsu.edu/graduate/mathematicsandscienceed/
Description: The Ph.D. in Mathematics and Science Education is designed to develop scholars capable of making important contributions to the research base, professional context, and learning environments related to mathematics and science education. Areas of emphases can include student learning, teacher education, professional development, curriculum, and technology throughout the PK-16 grade spectrum.
Location(s): Pullman, Vancouver
Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and Mathematics and Science Education Doctoral Handbook at education.wsu.edu/graduate/mathematics/math-science-education-handbooks-page/
Application Deadline: Fall, December 1
Minimum Required Credits: 34 graded; ED MTHSCI 800 (20cr); 72 total

Contact Information:
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195
509-335-7016
gradstudies@wsu.edu

Dan Overbay, Academic Coordinator
**Special Education, PhD**

*College of Education*

*Department of Teaching and Learning*

**Website:** education.wsu.edu/graduate/specialed/

**Description:** The Doctor of Philosophy (Ph.D.) in Special Education prepares graduates for academic positions in research and teaching. The program in special education includes the study of response to intervention across the curriculum, diversity issues, social development and school based prevention practices for students with social and behavioral adjustment problems, universal design, and single subject design in addition to the comprehensive Carnegie core of research courses in quantitative, qualitative and program evaluation research methods. The faculty support a strong program of mentorship and encourage doctoral students to work closely with faculty of their choosing in investigating the world of research, knowledge generation and dissemination, pedagogical action and advocacy.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at education.wsu.edu/students/apply/ and Special Education Doctoral Handbook at education.wsu.edu/graduate/specialed/

**Application Deadline:** Fall, December 1

**Minimum Required Credits:** 36 graded; SPEC ED 800 (20cr); 72 total

**Contact Information:**

Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195; 509-335-7016
gradstudies@wsu.edu

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**Special Education, EdM**

*College of Education*

*Department of Teaching and Learning*

**Website:** education.wsu.edu/graduate/specialed/

**Description:** The Master of Education (Ed.M.) degree is designed for students wishing to extend their knowledge and skills in education, expand their content knowledge, and/or pursue leadership roles in schools and organizations/agencies. A specific set of coursework also can lead to a supporting endorsement in special education. Although students enroll in research courses and engage in research endeavors, the emphasis in this degree option is on application of educational research strategies in school settings.

**Location(s):** Global Campus, Pullman, and Spokane

**Admission and Degree Requirements:** See admission requirements at education.wsu.edu/students/apply/
Sport Management, MA
College of Education
Department of Educational Leadership and Sport Management
Website: education.wsu.edu/graduate/sportmanagement
Description: The program offers a Master of Arts (M.A.) in Sport Management. Students choose between a thesis and nonthesis (comprehensive exam) option. The program faculty are dedicated to meeting students’ needs as current and future leaders in a variety of sport settings within the sport industry. Given the growing economic and political significance of sport worldwide, there is a strong need for well-educated and professionally-trained sport managers to ensure that sport is managed and well delivered for the greater good of our global society. With that as our goal, the program provides a balance and integration of practical experience, theory, research, and policy. Our degree is based in Pullman and helps graduates build or improve their skills and become successful sport managers. Program alumni have worked in university athletics departments (in the areas of marketing, development, sales, sponsorship, sport information, administration, and compliance) or university and community recreation programs as directors and coordinators of a variety of program areas. Still other graduates have established careers in professional sport teams at the major and minor league levels, sport events, sport media, high school athletics, and other areas. Some alumni went on to pursue doctorates in philosophy or law.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and Sport Management Program Handbook at education.wsu.edu/graduate/sportmanagement/sportmanagementoverview/
Application Deadline: Fall, January 10
Minimum Required Credits: 33 graded; Spec Ed 702 (2 cr); 35-37 total
Contact Information:
Office of Graduate Education
WSU Pullman College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195
509-335-7016
gradstudies@wsu.edu

Teaching, Elementary, MIT
College of Education
Department of Teaching and Learning
Website: education.wsu.edu/graduate/mit/
Description: The M.I.T. is intended for those who possess a bachelor’s degree in a field other than education and is designed to prepare students to become effective elementary or secondary education teachers. This program of study leads to a master’s degree and a State of Washington elementary or secondary education teaching certificate. The program consists of a wide range of pedagogy course work. Depending on the student’s focus (elementary or secondary education), these courses may include literacy, social studies, science, math, reading, health, fitness, or fine arts methods. Students also study diversity in schools and society, educational technology, the social context of education, and research-based effective practices. When successfully completed, the M.I.T. program results in a master’s degree and teacher certification.
Location(s): Pullman, Spokane Tri-Cities, and Vancouver
**Teaching, Secondary, MIT**
*College of Education*

**Department of Teaching and Learning**
**Website:** education.wsu.edu/graduate/mit/

**Description:** The M.I.T. is intended for those who possess a bachelor's degree in a field other than education and is designed to prepare students to become effective elementary or secondary education teachers. This program of study leads to a master’s degree and a State of Washington elementary or secondary education teaching certificate. The program consists of a wide range of pedagogy coursework. Depending on the student’s focus (elementary or secondary education), these courses may include literacy, social studies, science, math, reading, health, fitness, or fine arts methods. Students also study diversity in schools and society, educational technology, the social context of education, and research-based effective practices. When successfully completed, the M.I.T. program results in a master’s degree and teacher certification.

**Location(s):** Pullman, Spokane, Tri-Cities, and Vancouver

**Admission and Degree Requirements:** See admission requirements at education.wsu.edu/students/apply/ and MIT Handbooks at education.wsu.edu/graduate/mit/handbooks/

**Application Deadline:** Summer, November 15 (Pullman, Spokane); Summer, December 1 (Vancouver); Summer, December 15 (Tri-Cities)

**Licensure:** Initial Teacher Certification. Education licensure is governed at the state level. Information regarding reciprocity for Washington licensure can be found at teaching-certification.com/reciprocity-certification.html

**Minimum Required Credits:** 31 graded; MIT 702 (2cr); 52 total

**Contact Information:**
College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195; 509-335-7016
gradstudies@wsu.edu

Kelly LaGrutta, Academic Coordinator
Washington State University – Spokane
CCRS 225
PO Box 1495
Spokane, WA 99210-1495
509-358-7942
lagrutta@wsu.edu

Charlie Wagner, Academic Coordinator
Washington State University – Tri-Cities
Floyd Building 207A
2710 Crimson Way
Richland, WA 99354-1671
509-372-7394
charlene.wagner@wsu.edu

Dan Overbay, Academic Coordinator
Washington State University – Vancouver
VUB 307
14204 NE Salmon Creek Ave
Vancouver, WA 98686
360-546-9673
dan.overbay@wsu.edu

**Teaching, Secondary, MIT**
*College of Education*
Admission and Degree Requirements: See admission and degree requirements at sdc.wsu.edu/architectural-studies/master-of-architecture/

Application Deadline: Fall, January 10

Licensure: Completing the M.Arch. satisfies the educational requirement on the path to becoming a licensed architect in the US. Use the NCARB Licensing Tool (ncarb.org/get-licensed/licensing-requirements-tool) to see specific requirements in your intended jurisdiction and contact the department to set up your pathway to become licensed.

Minimum Required Credits: 46 graded; 4 research; 48 total (additional credits may be required depending on student’s academic background)

Contact Information:
Jaime Rice, Academic Coordinator
School of Design and Construction
PO Box 642220
Carpenter Hall 514
Pullman, WA 99164-2220
509-335-5318
jlrice@wsu.edu

Voiland College of Engineering and Architecture

Architecture, MArch
Voiland College of Engineering and Architecture
School of Design and Construction
Website: sdc.wsu.edu/architectural-studies/master-of-architecture/
Description: The Master of Architecture (M.Arch.) degree program at Washington State University’s School of Design and Construction is fully accredited by the National Architectural Accrediting Board (NAAB). The M.Arch. degree, combined with professional experience approved by the National Council of Architectural Registration Boards (NCARB) and completion of the Architect Registration Examination® (ARE®) ensures one is prepared to practice architecture. Throughout the program students engage in design and scholarship that offers new insights into the role of architecture in our culture, civilization, and environment. Within this context our students challenge existing conventions and offer innovative approaches germane to the critical issues facing the profession of architecture and the world today.
Location(s): Pullman

Chemical Engineering, PhD
Voiland College of Engineering and Architecture
The Gene and Linda Voiland School of Chemical Engineering and Bioengineering
Website: voiland.wsu.edu/GraduateStudies.html
Description: Faculty research is broadly focused in three synergistic areas: Sustainable Energy Systems, Biomolecular Engineering, and Biomechanics. Within these areas, projects are focused on: chemical and biological catalysis and kinetics; chemical and biological fuel cells; biofilm engineering; novel sensor technologies; cardiac and reproductive molecular engineering; and molecular, cellular, and musculoskeletal mechanics. Specialized equipment includes a suite of instruments for characterizing reactive surface reactions (operando XPS, XRD adn Raman – all with specialized reactors). Unique biological applications of circular dichroism spectroscopy, AFM, and confocal microscopy; robust microelectrode development and application; as well as numerous custom reactors equipped with advanced chemical measurement.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at voiland.wsu.edu/graduate/admissions/ and Voiland School Graduate Student Handbook at voiland.wsu.edu/graduate/che-graduate-student-handbooks-bylaws-deadlines/

Application Deadline: Fall, January 10
Minimum Required Credits: 15 graded; 20 research; 72 total

Contact Information:
Samantha Bailey, Academic Coordinator
Voiland School of Chemical Engineering and Bioengineering
Washington State University
PO Box 646515
Pullman, WA 99164-6515
509-335-4001
samantha.bailey@wsu.edu

Chemical Engineering, MS
Voiland College of Engineering and Architecture
The Gene and Linda Voiland School of Chemical Engineering and Bioengineering
Website: voiland.wsu.edu/GraduateStudies.html
Description: Faculty research is broadly focused in three areas: sustainable energy systems, biomolecular engineering, and biomechanics. Within these areas projects are focused on chemical and biological catalysis and kinetics; chemical and biological fuel cells; biofilm engineering; novel sensor technologies; cardiac and reproductive molecular engineering; and molecular, cellular, and musculoskeletal mechanics. The graduate programs are flexible, allowing students to develop a program that fits individual needs.
Location(s): Pullman

Admission and Degree Requirements: See admission requirements at voiland.wsu.edu/graduate/admissions/ and Voiland School Graduate Student Handbook at voiland.wsu.edu/graduate/che-graduate-student-handbooks-bylaws-deadlines/

Application Deadline: Fall, January 10
Minimum Required Credits: thesis (21 graded; 30 total); nonthesis (26 graded; 30 total)

Contact Information:
Samantha Bailey, Academic Coordinator

Civil Engineering, PhD
Voiland College of Engineering and Architecture
Department of Civil and Environmental Engineering
Website: ce.wsu.edu/Grads/ceGradProg.htm
Description: Students may be accepted into the graduate program with undergraduate degrees in other than Civil Engineering (e.g., related areas such as mechanical engineering, materials science, physics, etc.). These students, however, may need to complete additional courses to cover deficiencies. Courses taken to satisfy deficiencies cannot be included in the program of study. Each student, in consultation with his/her graduate committee, will develop a program of study. This plan outlines what courses will be required for completion of the degree. To develop a program of study, students may choose from a variety of graduate and selected undergraduate courses offered in their area of emphasis. In addition, courses may be selected from a number of related courses in other programs in the Department of Civil and Environmental Engineering, as well as in other departments of the University. The doctorate program is individually tailored to each student’s need and interest.
Location(s): Pullman, Tri-Cities

Admission and Degree Requirements: See admission requirements at ce.wsu.edu/graduate/application/ and Graduate Student Handbook at ce.wsu.edu/graduate/

Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 34 graded; 36 research; 72 total

Contact Information:
Haifang Wen, PhD, Graduate Studies Committee Chair
Department of Civil and Environmental Engineering
Washington State University
Dana 302D
Pullman, WA 99164
509-335-4602
Civil Engineering, MS
Voiland College of Engineering and Architecture
Department of Civil and Environmental Engineering
Website: ce.wsu.edu/Grads/ceGradProg.htm
Description: Students may be accepted into the graduate program with undergraduate degrees in other than Civil Engineering (e.g., related areas such as mechanical engineering, materials science, physics, etc.). These students, however, may need to complete additional courses to cover deficiencies. Courses taken to satisfy deficiencies cannot be included in the program of study. Each student, in consultation with his/her graduate committee, will develop a plan of study. This plan outlines what courses will be required for completion of the degree. To develop a plan of study, students may choose from a variety of graduate and selected undergraduate courses offered in their area of emphasis. In addition, courses may be selected from a number of related courses in other programs in the Department of Civil and Environmental Engineering, as well as in other departments of the University.
Location(s): Pullman, Tri-Cities
Admission and Degree Requirements: See admission requirements at ce.wsu.edu/graduate/application/ and Graduate Student Handbook at ce.wsu.edu/graduate/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: thesis (21 graded, 30 total); nonthesis project (25 graded, 30 total); nonthesis courses (27 graded, 30 total)
Contact Information:
Haifang Wen, PhD, Graduate Studies Committee Chair
Department of Civil and Environmental Engineering
Washington State University
Dana 302D
Pullman, WA 99164

Computer Science, PhD
Voiland College of Engineering and Architecture
School of Electrical Engineering and Computer Science
Website: school.eecs.wsu.edu/academics/graduate-program/
Description: As the largest unit within this College, the School of Electrical Engineering and Computer Science is instrumental in determining competencies and preparing students at all levels (B.S., M.S., and Ph.D.) for technological productivity. The success of our graduate students in industry and higher education reflects the excellence of the School of EECS and its programs. In industry, our graduate degree holders are presidents, CEOs, CIOs, vice presidents, directors, and division and department managers. Some have founded at least one company and initiated and promoted new technologies, operations, and sales strategies. Others have excelled as senior designers, project managers, senior scientists, and lead engineers. In higher education, they are professors, deans, and research directors. Graduate degrees have enriched their lives and careers, while affecting positively the economy of the state and nation. All are excellent role models for their peers and our students.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at school.eecs.wsu.edu/academics/graduate-program/admission/ and EECS Graduate Program Handbook at school.eecs.wsu.edu/academics/graduate-program/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 35 graded; CPT S 800 (30 cr); 72 total
Contact Information:
Jessica Cross, Academic Coordinator
Computer Science, MS
Voiland College of Engineering and Architecture
School of Engineering and Computer Science
Website: school.eecs.wsu.edu/academics/graduate-program/
Description: The School of Electrical Engineering and Computer Science offers an outstanding education, providing first-rate preparation for careers in Electrical Engineering, Computer Engineering and Computer Science. US News and World Report ranks WSU’s Electrical Engineering graduate program 68th among nearly 180 Ph.D. granting EE programs in the U.S.
Location(s): Pullman, Tri-Cities
Admission and Degree Requirements: See admission requirements at school.eecs.wsu.edu/academics/graduate-program/ and EECS Graduate Program Handbook at school.eecs.wsu.edu/academics/graduate-program/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 24 graded; CPT S 700 (9cr); 33 total

Contact Information:
Jessica Cross, Academic Coordinator
Electrical Engineering and Computer Science
Pullman, WA 99164-2752
509-335-6636
j.cross@wsu.edu

Computer Science, MS (Vancouver)
Voiland College of Engineering and Architecture
School of Engineering and Computer Science
Website: ecs.vancouver.wsu.edu/computer-science-ms
Description: The Master of Science in Computer Science is a thesis program requiring a significant research project, as well as course work in the following general areas: algorithms; artificial intelligence; parallel and distributed; computing; computer networks; cloud systems; and computer security. The program has a “Cloud Computing” theme. It refers to a modern set of technologies that span core areas of Computer Science, including computer theory, systems and networks, software development, big data and artificial intelligence. Our laboratories are equipped with 4 state-of-the-art computing clusters, with a total of 24 nodes, 396 cores, and more than 120TB of networked data storage.
Location(s): Vancouver
Admission and Degree Requirements: See admission requirements at ecs.vancouver.wsu.edu/how-apply and degree requirements at gradschool.wsu.edu/degrees/factsheet/master-of-science-in-computer-science-vancouver/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 21 graded; CS700 (9cr); 30 total

Contact Information:
Keri Deford, Academic Coordinator
14204 NE Salmon Creek Avenue
Vancouver, WA 98684
360-546-9424
keri.deford@wsu.edu

Computer Engineering, MS
Voiland College of Engineering and Architecture
School of Electrical Engineering and Computer Science
Website: school.eecs.wsu.edu/academics/graduate-program/
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at school.eecs.wsu.edu/academics/graduate-program/ and EECS Graduate Program Handbook at school.eecs.wsu.edu/academics/graduate-program/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: thesis (21 graded, EE 700 (9cr), 30 total); nonthesis (26 graded, 30 total)

Contact Information:
Jessica Cross, Academic Coordinator
Electrical Engineering and Computer Science
Pullman, WA 99164-2752
509-335-6636
j.cross@wsu.edu

**Electrical and Computer Engineering, PhD**
Voiland College of Engineering and Architecture
School of Electrical Engineering and Computer Science
Website: school.eecs.wsu.edu/academics/graduate-program/
Description: WSU’s reputation for high-quality education, research, and public service enables it to continue achieving its missions. Graduate students play an essential part in carrying out the School’s mission to conduct research that will make a difference to industry, government, and society. Graduate-level programs in electrical and computer engineering include power engineering; microelectronics; electromagnetics and optical communications, control, and signal processing; embedded systems and software engineering.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at school.eecs.wsu.edu/academics/graduate-program/admission/ and EECS Graduate Program Handbook at school.eecs.wsu.edu/academics/graduate-program/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 35 graded; 72 total

Contact Information:
Jessica Cross, Academic Coordinator
Electrical Engineering and Computer Science Pullman, WA 99164-2752
509-335-6636
j.cross@wsu.edu

**Electrical Engineering, MS**
Voiland College of Engineering and Architecture
School of Electrical Engineering and Computer Science
Website: school.eecs.wsu.edu/academics/graduate-program/
Description: Graduate-level programs in electrical and computer engineering include power engineering; microelectronics; electromagnetics and optical communications, control, and signal processing; embedded systems and software engineering.
Location(s): Pullman, Tri-Cities, Vancouver
Admission and Degree Requirements: See admission requirements at school.eecs.wsu.edu/academics/graduate-program/admission/ and EECS Graduate Program Handbook at school.eecs.wsu.edu/academics/graduate-program/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 21 graded; EE 700 (9cr), 30 total; nnonthesis (28 graded, EE 700 (9cr), 31 total)

Contact Information:
Jessica Cross, Academic Coordinator
Electrical Engineering and Computer Science Pullman, WA 99164-2752
509-335-6636
j.cross@wsu.edu

**Electrical and Computer Engineering, PhD**
Voiland College of Engineering and Architecture
School of Electrical Engineering and Computer Science
Website: school.eecs.wsu.edu/academics/graduate-program/
Description: Graduate-level programs in electrical and computer engineering include power engineering; microelectronics; electromagnetics and optical communications, control, and signal processing; embedded systems and software engineering.
Location(s): Vancouver
Admission and Degree Requirements: See admission requirements at ecs.vancouver.wsu.edu/how-apply and degree requirements at gradschool.wsu.edu/degrees/factsheet/master-of-science-in-electrical-engineering-vancouver/
Application Deadline: Fall, January 10; Spring, July 10
Minimum Required Credits: 21 graded; ECE 700 (4cr); 30 total

Contact Information:
Claire Potter
Engineering and Computer Science Bldg 201C
Vancouver, WA
360-546-9638
c.potter@wsu.edu

Electrical Power Engineering, PSM
Voiland College of Engineering and Architecture
School of Electrical Engineering and Computer Science
Website: cea.wsu.edu/PSM
Description: The Electrical Power Engineering P.S.M. provides core technical education in power systems analysis, transmission and distribution systems and power system economics and electricity markets. You can supplement this core technical work with elective courses in areas ranging from distribution systems to power electronics to power system protection. Complementing this technical education is a wide selection of elective courses in areas ranging from quantitative methods, to management and communication and an industry-based internship project. The goal is to produce graduates who have both a thorough knowledge of the electric power system and the professional skills needed to advance in both technical and management careers within the industry.
Location(s): Global Campus
Admission and Degree Requirements: See admission requirements at esic.wsu.edu/academics/professional-science-masters-in-electrical-power-engineering/admission-requirements-and-deadlines/ and degree requirements at esic.wsu.edu/academics/professional-science-masters-in-electrical-power-engineering/program-requirements/
Application Deadline: Fall, July 1; Spring, November 1
Minimum Required Credits: 27 graded; 30 total

Contact Information:
Pat Pedrow, PhD
School of Electrical Engineering and Computer Science
Elec/mech 235
Pullman, WA 99164-2752
509-335-1749
pedrow@wsu.edu

Engineering, MS
Voiland College of Engineering and Architecture
Interdisciplinary Degree
Website: vcea.wsu.edu/interdisciplinary-graduate-studies-2/
Description: These interdisciplinary programs are administered through the College of Engineering and Architecture’s Office of the Associate Dean of Research and Graduate Programs, with students typically advised and funded through one of several departments in the College. The interdisciplinary nature of these degrees provides considerable flexibility in designing programs of study tailored to the specialized needs of each student. Areas of specialization include (but are not limited to): biological systems engineering, atmospheric research, materials science and engineering, and bioengineering. Students often work in one of our interdisciplinary centers such as: Bioengineering Research Center (BRC), Center for Environmental, Sediment, and Aquatic Research (CESAR), Center for Environmental Education and Outreach (CEREO), Center for Materials Research (CMR), Engineering Education Research Center (EERC), Laboratory for Atmospheric Research (LAR), and the Wood Materials Research Lab (WMEL). Thesis and nonthesis options are available in the M.S. degree program.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at vcea.wsu.edu/interdisciplinary-graduate-studies-2/. Contact coordinator for degree requirements.
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 21 graded; 30 total

Contact Information:
Christopher Gass, Coordinator
Voiland College of Engineering and Architecture
Pullman, WA 99164
509-335-8730
chrisgass@wsu.edu

Engineering and Technology Management, METM
Voiland College of Engineering and Architecture
Engineering and Technology Management (ETM) Program
Website: etm.wsu.edu
Description: Washington State University's Engineering and Technology Management (ETM) program prepares engineering and business professionals to make strategic and operational decisions and become leaders in the management of technology. Courses provide practicing engineers with the knowledge, tools, and skills to manage projects, operations, organizations, and people. The
ETM program is specifically tailored for professionals who want to advance their careers while still working full time. Live, online classes are available from anywhere and are also recorded and available on demand. The purpose of the WSU Voiland School of Engineering and Architecture Program in Engineering and Technology Management is to prepare students for high-level professional work in positions that require an understanding of management principles in engineering, projects, and organizations. In this program, students will: 1) develop a systematic and analytic framework to support decision making and make effective changes; 2) gain skills to manage changing technology; 3) cultivate business and human resources management skills 4) learn technical and leadership skills designed to meet today’s—and tomorrow’s—industry needs; and 5) stay at the leading edge and become a leader in the management of technology.

Location(s): Global Campus; Pullman students may register for service courses from the program; Pharm.D. students may be eligible to register for EM classes towards the master’s degree or the certificates.

Admission and Degree Requirements: See admission requirements at etm.wsu.edu/admission/ and degree requirements at etm.wsu.edu/masters-degree/

Application Deadline:
Fall, July 15 (Jan 10 international); Spring, November 15 (July 1 international); Summer, March 15

Minimum Required Credits: nonthesis (27 graded, EM 701 (3cr), 30 total)

Contact Information:
Patti Elshafei, Academic Coordinator
Engineering and Technology Management
Washington State University
ETRL 303, 980 E College
Pullman, WA 99164-2785
509-335-0125
etm@wsu.edu

Environmental Engineering, MS
Voiland College of Engineering and Architecture
Department of Civil and Environmental Engineering
Website: ce.wsu.edu/Grads/ceMSthesis.htm
tricities.wsu.edu/engineering/graduate/civil/

Description: Students may be accepted into the graduate program with undergraduate degrees in other than Civil or environmental Engineering (e.g., related areas such as mechanical engineering, materials science, environmental science, etc.). These students, however, may need to complete additional courses to cover deficiencies. Courses taken to satisfy deficiencies cannot be included in the program of study. Each student, in consultation with his/her graduate committee, will develop a plan of study. This plan outlines what courses will be required for completion of the degree. To develop a plan of study,
students may choose from a variety of graduate and selected undergraduate courses offered in their area of emphasis. In addition, courses may be selected from a number of related courses in other programs in the Department of Civil and Environmental Engineering, as well as in other departments of the University. Thesis, project, and courses only options.

**Location(s):** Pullman, Tri-Cities

**Admission and Degree Requirements:** See admission requirements at [ce.wsu.edu/graduate/application/](http://ce.wsu.edu/graduate/application/) and [Graduate Student Handbook](http://ce.wsu.edu/graduate/)

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:**
- **thesis** (21 graded, 7 research, 30 total)
- **nonthesis projects** (25 graded, 30 total)
- **nonthesis courses** (27 graded, 30 total)

**Contact Information:**
- Haifang Wen, PhD
  Washington State University
  PACCAR 448
  Pullman, WA 99164
  509-335-4602
  haifang_wen@wsu.edu

- Tammy Bowen
  Washington State University
  Sloan 108
  Pullman, WA 99164
  509-335-7632
  tammyb@wsu.edu

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**Interior Design, MA**

[Voiland College of Engineering and Architecture](http://sdc.wsu.edu/interior-design/master-of-arts/)

**Website:** [sdc.wsu.edu/interior-design/master-of-arts/](http://sdc.wsu.edu/interior-design/master-of-arts/)

**Description:** The Master of Arts in Interior Design is a terminal professional degree which prepares the graduate to enter professional practice and take NCIDQ exam; to pursue career paths in research and higher education; and to matriculate into a Ph.D. program. The philosophy of the Interior Design program is based on a concern for human beings and the creation of interior settings that support human activities and values. We are focused on how design excellence and innovation can tackle issues surrounding the human condition in the built environmental, especially around health and well-being and environmental stewardship. Additionally, we are deeply interested in how qualities of spatial design impact human experience and performance.

**Admission and Degree Requirements:** See admission and degree requirements at [sdc.wsu.edu/interior-design/master-of-arts/](http://sdc.wsu.edu/interior-design/master-of-arts/)

**Application Deadline:** Fall, January 10

**Licensure:** NCIDQ exam required for certification.

**Minimum Required Credits:** 26 graded; 30 total (additional credits may be required depending on student’s academic background)

**Contact Information:**
- Jaime Rice, Academic Coordinator
  School of Design and Construction
  PO Box 642220
  Carpenter Hall, Room 514
  Pullman, WA 99164-2220
  509-335-5318
  jlrice@wsu.edu

- Judy Theodorson, Program Head and Graduate Coordinator
  School of Design and Construction
  PO Box 642220
  Carpenter Hall, Room 514
  Pullman, WA 99164-2220
  jtheodorson@wsu.edu

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**Landscap Architecture, MS**

[Voiland College of Engineering and Architecture](http://sdc.wsu.edu/interior-design/master-of-arts/)

**Note:** This program is inactive.

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**Materials Science and Engineering, PhD**

[Voiland College of Engineering and Architecture](http://sdc.wsu.edu/interior-design/master-of-arts/)

**Website:** [materials.wsu.edu](http://materials.wsu.edu)

**Description:** Our School offers programs of study for full time and part-time students leading to the Doctor of Philosophy (Ph.D.) in Materials Science and Engineering. Programs of study are individualized with an interdisciplinary focus. Students are expected to pursue their degree programs with success and to earn the Ph.D. in four years. The program will culminate with a dissertation (Ph.D.).

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at [materials.wsu.edu/application-and](http://materials.wsu.edu/application-and)
admission/ and degree requirements at mme.wsu.edu/graduate/

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: 21 graded; MATSE 593 (6cr); MATSE 800 (20cr); 72 total

Contact Information:
Kjelda Berg
WSU Graduate School
French Administration 324
Dana 239A
Pullman, WA 99164-1030
509-335-8231
bergk@wsu.edu

Materials Science and Engineering, MS
Voiland College of Engineering and Architecture
College of Arts and Sciences
School of Mechanical and Materials Engineering
Website: mme.wsu.edu/

Description: Our School participates in the interdisciplinary degree programs of M.S. in Engineering, Ph.D. in Engineering Science, and Ph.D. in Materials Science and Engineering. Programs of study are individualized with an interdisciplinary focus. Financial aid in the form of an assistantship is available for dedicated, quality full time M.S. students. Thesis and nonthesis option.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements and Graduate Student Handbook at mme.wsu.edu/master-of-materials-science-and-engineering-requirements/

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: thesis (21 graded, ME 598 or MATSE 593 (2cr), MSE 700 (4cr), 30 total); nonthesis (27 graded, ME 598 or MATSE 593 (2cr), MSE 702 (4cr), 33 total)

Contact Information:
Graduate Academic Coordinator
School of Mechanical and Materials Engineering
Sloan Hall 203W
PO Box 642920
509-335-4546
mme.gp@wsu.edu

Mechanical Engineering, MS
Voiland College of Engineering and Architecture
School of Mechanical and Materials Engineering
Website: mme.wsu.edu/

tricities.wsu.edu/engineering/graduate/mechanical/

Description: Thesis and nonthesis options are available for the M.S. degree. Programs of study are individualized with an interdisciplinary focus. Financial aid in the form of an assistantship is available for dedicated, quality full time M.S. students.

Location(s): Pullman, Tri-Cities

Admission and Degree Requirements: See admission requirements at mme.wsu.edu/graduate/application/ and Graduate Student Handbook at mme.wsu.edu/graduate/mechanical-engineering/

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: thesis (21 graded, ME 700 (4cr), 30 total); nonthesis (27 graded, ME 702 (4cr), 33 total)

Contact Information:
Graduate Academic Coordinator
School of Mechanical and Materials Engineering
Sloan Hall 203W
PO Box 642920

50
Mechanical Engineering, MS (Vancouver)
Voiland College of Engineering and Architecture
School of Engineering and Computer Science
Website: ecs.vancouver.wsu.edu/mechanical-engineering-ms
Description: The Master of Science in Mechanical Engineering is a thesis program requiring a significant research project as well as coursework in the following general areas: solid mechanics; manufacturing and design; robotics and automation; fluid mechanics; heat and mass transfer; and micro/nano technology. The program has a “Digital Design and Manufacturing” theme. It refers to a modern and critical set of digital technologies for advanced modeling, simulation, analysis, integration of information technology, sensing, automation and big data to rapidly design and manufacture products. Our laboratories are equipped with state-of-the-art equipment worth more than $6 million.
Location(s): Vancouver
Admission and Degree Requirements: See admission requirements at ecs.vancouver.wsu.edu/how-apply and degree requirements at gradschool.wsu.edu/degrees/factsheet/master-of-science-in-mechanical-engineering-vancouver/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 21 graded; MECH 700 (4cr); 30 total
Contact Information:
Claire Potter
Engineering and Computer Science Bldg 201C
Vancouver, WA
360-546-9638
c.potter@wsu.edu

Software Engineering, MS
Voiland College of Engineering and Architecture
School of Engineering and Computer Science
Website: school.eecs.wsu.edu/academics/graduate-program/online-masters-degree-software-engineering/
Description: WSU’s Online Master’s degree in Software Engineering (M.S. S.E.) prepares students for professional software engineering careers. The program equips students with advanced skills in design, development, validation, maintenance, reuse, management, and security of software products. Graduates of the program learn the principles of software engineering, together with the tools, methods and techniques used in modern software engineering practice. They also gain knowledge in the managerial and leadership skills needed to advance in the industry.
Location(s): Global Campus
Admission and Degree Requirements: See admission requirements at school.eecs.wsu.edu/academics/graduate-program/admission/ and degree requirements at online.wsu.edu/online-degrees/software-engineering-ms/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 30 graded; 30 total
Contact Information:
Sakire Arslan Ay
School of Electrical Engineering and Computer Science
Washington State University
Pullman, WA 99164
509-335-4089
sakire.arslanay@wsu.edu

Graduate School Interdisciplinary Degrees
Individual Interdisciplinary (IIDP), PhD
Graduate School
Website: gradschool.wsu.edu/individual-interdisciplinary-doctoral-degree/
Description: Each student works with an advisor and four additional members of the WSU faculty from at least three academic units. This committee oversees the development of the individual doctoral degree and works closely with the student to ensure a high-quality doctoral education. The individual doctoral
program must meet the following criteria: it will be of
doctoral significance, no single recognized graduate
degree-granting unit will be able to meet the student’s
needs, and the academic resources to complete the
proposed program will be available at WSU.

Location(s): Pullman

Admission and Degree Requirements: See admission
requirements at
gradschool.wsu.edu/degrees/factsheet/doctor-of-
philosophy-individual-interdisciplinary/ and IIDP
Handbook at gradschool.wsu.edu/individual-
interdisciplinary-doctoral-degree/

Application Deadline: Fall, January 10

Minimum Required Credits: 34 graded; 20 research;
72 total

Contact Information:
Lisa Gloss, Dean
Graduate School
PO Box 641030
Stadium Way, French Ad, Room 324
Pullman, WA 99164-1030
509-335-5859
lmgloss@wsu.edu

Materials Science and Engineering, PhD

Graduate School
Voiland College of Engineering and Architecture
College of Arts and Sciences
Website: materials.wsu.edu

Description: Our School offers programs of study for
full time and part-time students leading to the Doctor
of Philosophy (Ph.D.) in Materials Science and
Engineering. Programs of study are individualized
with an interdisciplinary focus. Students are expected
to pursue their degree programs with success and to
earn the Ph.D. in four years. The program will
culminate with a dissertation (Ph.D.).

Location(s): Pullman

Admission and Degree Requirements: See admission
requirements at materials.wsu.edu/application-and-
admission/ and degree requirements at
mme.wsu.edu/graduate/

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: thesis (21 graded, ME
598 or MATSE 593 (2cr), MSE 700 (4cr), 30 total);
nonthesis (27 graded, ME 598 or MATSE 593 (2cr),
MSE 702 (4cr), 33 total)

Contact Information:
Kjelda Berg

WSU Graduate School
French Administration 324
Dana 239A
Pullman, WA 99164-1030
509-335-8231
bergk@wsu.edu

Materials Science and Engineering, MS

Voiland College of Engineering and Architecture
College of Arts and Sciences
School of Mechanical and Materials Engineering
Website: mme.wsu.edu/

Description: Our School participates in the
interdisciplinary degree programs of M.S. in
Engineering, Ph.D. in Engineering Science, and Ph.D.
in Materials Science and Engineering. Programs of
study are individualized with an interdisciplinary
focus. Financial aid in the form of an assistantship is
available for dedicated, quality full time M.S.
students. Thesis and nonthesis option.

Location(s): Pullman

Admission and Degree Requirements: See admission
requirements and Graduate Student Handbook at
mme.wsu.edu/master-of-materials-science-and-
engineering-requirements/

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: thesis (21 graded, ME
598 or MATSE 593 (2cr), MSE 700 (4cr), 30 total);
nonthesis (27 graded, ME 598 or MATSE 593 (2cr),
MSE 702 (4cr), 33 total)

Contact Information:
Graduate Academic Coordinator
School of Mechanical and Materials Engineering
Sloan Hall 203W
PO Box 642920
509-335-4546
mme.gp@wsu.edu

Molecular Plant Sciences, PhD

Graduate School
Website: mps.wsu.edu

Description: Graduate study leading to the Doctor of
Philosophy degree is offered as an interdepartmental
curriculum by graduate faculty from the Departments
of Crop and Soil Science, Food Science and Human
Nutrition, Electrical Engineering and Computer
Science, Horticulture and Landscape Architecture,
Molecular Biosciences, Plant Pathology, Biological
Sciences, and the Institute of Biological Chemistry. The objectives of the program are to provide the graduate student with a broad knowledge in molecular plant sciences and with research experience in a chosen area within this discipline. Specialization includes cellular and subcellular physiology, the molecular biology and biochemistry of plant-related processes, photosynthesis and photorespiration, nitrogen fixation, phytochemistry, the physiology of vascular plants, metabolism, plant pathogen interactions, hormonal interactions and regulation of growth, crop production physiology, and physiological ecology as well as related areas in agriculture and biology.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at [mps.wsu.edu/admission/](http://mps.wsu.edu/admission/) and MPS Grad Student Handbook at [mps.wsu.edu/academics/program-requirements/](http://mps.wsu.edu/academics/program-requirements/)

**Application Deadline:** Fall, January 10

**Minimum Required Credits:** 15 graded; 20 research; 72 total

**Contact Information:**
Kelly Hewitt
French Administration Rm. 324
PO Box 641030
Pullman, WA 99164-1030
509-335-7619
kelly.hewitt@wsu.edu

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**Molecular Plant Sciences, MS**

*Graduate School*

**Note:** The M.S. in Molecular Plant Sciences is only available to students in the Ph.D. program.

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**Elson S. Floyd College of Medicine**

**Dietetics, Nutrition and Exercise Physiology, Coordinated Program, MS**

*Elson S. Floyd College of Medicine*

*Department of Nutrition and Exercise Physiology*

**Website:** [medicine.wsu.edu/nutrition-and-exercise-physiology-degree-program/mscpd/](http://medicine.wsu.edu/nutrition-and-exercise-physiology-degree-program/mscpd/)

**Description:** The nonthesis Master of Science Coordinated Program in Dietetics, Nutrition, and Exercise Physiology (M.S. CPD NEP), is a coordinated program (didactic coursework and clinical rotations are conducted simultaneously) in dietetics with an exercise emphasis. The program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), the accrediting agency for the Academy of Nutrition and Dietetics (AND). Successful completion of this M.S. program prepares students to test for the Registered Dietitian Nutritionist (RDN) credential. Since the emphasis area of the graduate dietetics program is exercise, some students may be required to take undergraduate nutrition and/or exercise physiology courses that prepares them to be dual credentialed as a Registered Dietitian Nutritionist (RDN) and a Certified Exercise Physiologist through the American College of Sports Medicine (ACSM). A minimum of 1200 hours of supervised practice hours in various healthcare and community settings is required as a part of the master’s program.

**Location(s):** Spokane

**Admission and Degree Requirements:** See admission requirements at [medicine.wsu.edu/ms-coordinated-program-in-dietetics-admissions/](http://medicine.wsu.edu/ms-coordinated-program-in-dietetics-admissions/) and MS CPD Student Handbook at [medicine.wsu.edu/ms-coordinated-program-in-dietetics-objectives/](http://medicine.wsu.edu/ms-coordinated-program-in-dietetics-objectives/)

**Application Deadline:** Fall, January 31

**Licensure:** The Master of Science Coordinated Program in Dietetics, Nutrition and Exercise Physiology prepares graduates to test for the credentialing exam for Registered Dietitian Nutritionists. This national exam is recognized by the U.S. 50 states, Washington D.C. and U.S. territories. For more information, see [cdrnet.org/state-licensure](http://cdrnet.org/state-licensure)

**Minimum Required Credits:** 39 graded; 41 total

**Contact Information:**
Jill Wagner, Academic Coordinator
SHER 318
412 E Spokane Falls Blvd
Spokane, WA 99202
509-358-7811
nep@wsu.edu

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**Health Policy Administration, MS**

*Elson S. Floyd College of Medicine*

**Note:** This program is inactive.

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**Medicine, MD**

*Elson S. Floyd College of Medicine*

*Department of Medical Education and Clinical Sciences*
Professional Degree
Website: medicine.wsu.edu/md-program/
Description: The M.D. program in the Elson S. Floyd College of Medicine trains you to be more than a physician. It equips you with a rich breadth and depth of experience that fast-forwards your understanding of the practice of medicine. In addition to preparing you to care for individual patients, it readies you to take the lead in addressing community health care issues. You learn to recognize problems in health care delivery, innovate solutions, and mobilize change that improves the health of entire populations.
Location(s): Spokane (first two years); Spokane, Tri-Cities, Vancouver, Everett (final two years)
Admission and Degree Requirements: See admission requirements at medicine.wsu.edu/md-program/overview-applying-to-medical-school/checklist/ and degree requirements at medicine.wsu.edu/md-program/admission/requirements/
Licensure: M.D. degree does not lead directly to state licensure and graduates are not eligible for licensure immediately after graduation. Contact the department for more information.
Minimum Required Credits: Contact coordinator for more information.

Contact Information:
Robin Durfee, Student Services Coordinator
Medical Ed. and Clinical Sci.
Medicine/sac/403j-2
412 E Spokane Falls Blvd
Spokane, WA 99202
509-358-7987
robin.durfee@wsu.edu

Nutrition and Exercise Physiology, PhD
Elson S. Floyd College of Medicine
Department of Nutrition and Exercise Physiology
Website: medicine.wsu.edu/nutrition-and-exercise-physiology-degree-program/phd-nutrition-and-exercise-physiology/
Description: Regular physical activity and proper nutrition are the cornerstones of health promotion and chronic disease prevention. The teaching and research foci of the NEP graduate programs provide advanced training in both disciplines. As a department in the Elson S. Floyd College of Medicine, and with a strong network of clinical and community partner organizations throughout Eastern Washington and beyond, we are well placed to provide training and research opportunities for students interested in clinical and community-based approaches to improving population health. The Ph.D. NEP degree offers an intensive research and training experience in the broad fields of nutrition and exercise physiology. Students are matched and work closely with a faculty mentor on research topics with application to clinical, community, and population health.
Location(s): Spokane
Admission and Degree Requirements: See admission and degree requirements at medicine.wsu.edu/phd-nutrition-and-exercise-physiology-admissions/
Application Deadline: Fall, January 31
Minimum Required Credits: 48 graded; 24 research; 72 total

Contact Information:
Jill Wagner, Academic Coordinator
SHER 318
412 E Spokane Falls Blvd
Spokane, WA 99202
509-358-7811
nep@wsu.edu

Nutrition and Exercise Physiology, MS
Elson S. Floyd College of Medicine
Department of Nutrition and Exercise Physiology
Website: medicine.wsu.edu/nutrition-and-exercise-physiology-degree-program/mstnep/
Description: Regular physical activity and proper nutrition are the cornerstones of health promotion and chronic disease prevention. The teaching and research foci of the NEP graduate programs provide advanced training in both disciplines. As a department in the Elson S. Floyd College of Medicine, and with a strong network of clinical and community partner organizations throughout Eastern Washington and beyond, we are well placed to provide training and research opportunities for students interested in clinical and community-based approaches to improving population health. The M.S. NEP degree offers students of all undergraduate disciplines a pathway into nutrition and exercise physiology education and training, preparing them for careers in industry, academe, and public health, or further preparation for the Ph.D. degree. In this two-year program, students will work closely with faculty members on a research topic in the broad fields of nutrition and exercise physiology.
Speech and Hearing Sciences, MS
Elson S. Floyd College of Medicine
Department of Speech and Hearing Sciences
Medical Sciences
Website: medicine.wsu.edu/shs-speech-and-hearing-sciences-program/
Description: The Department of Speech and Hearing Sciences’ master’s program in speech-language pathology is based at WSU Spokane. Academic coursework and clinical practicum offerings prepare students to meet the diagnosis and therapy needs of adults and children with a wide variety of speech, language, voice, swallowing, and hearing difficulties. The program stresses the application of theory through work in the University’s clinics, as well as in clinical placements throughout the state. Thesis and a nonthesis options are available. Students are prepared as speech-language pathologists to provide direct and consultative services in educational and medical settings. The course of study emphasizes physiological, behavioral, neurological, and psychological dimensions of normal development, fundamental communication processes, and disorders of communication. By applying science and research to clinical practice, graduate students develop proficiency in reasoning and problem-solving relative to clinical principles and procedures in diagnosis and treatment. The academic teaching and learning philosophy is student-centered, research-based, and writing intensive.
Location(s): Spokane
Admission and Degree Requirements: See admission requirements at medicine.wsu.edu/shs-m-s-curriculum/
Application Deadline: Fall, January 31
Minimum Required Credits: 26 graded; 32 total

Contact Information:
Jill Wagner, Academic Coordinator
SHER 318
412 E Spokane Falls Blvd
Spokane, WA 99202
509-358-7811
nep@wsu.edu

College of Nursing
Nursing, PhD
College of Nursing
Website: nursing.wsu.edu/academics/phd/
Description: Enroll in the Ph.D. in Nursing program and learn how to design, conduct, and disseminate research that will generate new knowledge directed toward changing nursing science, healthcare, and nursing practice. You will join a small cohort of nurse scholars, developing supportive relationships with these fellow students and faculty. Faculty and staff are accessible and committed to your success, and you will have regular research and academic mentoring through the establishment of your career as a nurse scientist.
Location(s): Spokane
Admission and Degree Requirements: See admission and degree requirements at nursing.wsu.edu/academics/phd/admission-criteria
Application Deadline: Summer, January 10 (Ph.D. program); Fall, March 10 (Bacc. to Ph.D. program)
Licensure: WSU College of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE). Licensure is recognized in all 50 states. See nursing.wsu.edu/accreditation for more information.
Minimum Required Credits: 52 graded; 20 research (800-level); 70 total
Contact Information:
Gail Oneal, PhD, Program Director
WSU Health Sciences Spokane, College of Nursing
SNRS 161, 412 Spokane Falls Blvd
Spokane, WA 99202
goneal@wsu.edu

Rychelle Wagner, PhD Academic Coordinator,
MN/DNP Asst
WSU Health Sciences Spokane, College of Nursing
SNRS 127, 412 Spokane Falls Blvd
Spokane, WA 99202
509-324-7445
rmwagner@wsu.edu

Nursing (Population Health), MN
College of Nursing
Website: nursing.wsu.edu/academics/mn-population-health

Description: The Master of Nursing Population Health (MN PH) is a practice-focused degree that is designed to educate advanced practice nurses to provide direct care to individual patients; manage care for individuals, families, groups and populations; serve as administrators in health care organizations; engage as faculty in nursing programs; develop and implement health policy; and translate research into expert practice. There are two pathways for admission to the MN PH program: RN-MN (as an RN with a bachelor’s degree in any field) and BSN to MN.

Location(s): Spokane, Tri-Cities, Vancouver

Admission and Degree Requirements: See admission and degree requirements at nursing.wsu.edu/academics/mn-program-outcomes/admission-requirements

Application Deadline: Fall, November 1; Spring, March 15

Licensure: WSU College of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE). Licensure is recognized in all 50 states. See nursing.wsu.edu/accreditation for more information.

Minimum Required Credits: thesis (29 graded, 6 research, 35 total); nonthesis (29 graded, 3 capstone project, 32 total)

Contact Information:
Denise Smart, Program Director
WSU Health Sciences Spokane, College of Nursing
SNRS 135, 412 E. Spokane Falls Blvd.
Spokane, WA 99202
509-324-7255
dsmart@wsu.edu

Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 Spokane Falls Blvd
Spokane, WA 99202
509-324-7334
509-324-7341
tamara.kelley@wsu.edu

Nursing (Family Nurse Practitioner), DNP
College of Nursing
Website: nursing.wsu.edu/academics/dnp-family-nurse-practitioner/

Description: The Doctor of Nursing Practice Family Nurse Practitioner (DNP FNP) is a practice-focused degree that is designed to educate advanced practice nurses to provide direct care to individual patients; manage care for individuals, families, groups and populations; serve as administrators in health care organizations; engage as faculty in nursing programs; develop and implement health policy; and translate research into expert practice.

Location(s): Spokane, Vancouver, Tri-Cities

Admission and Degree Requirements: See admission and degree requirements at nursing.wsu.edu/academics/dnp-admission-criteria

Application Deadline: Fall, November 15

Licensure: WSU College of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE). Licensure is recognized in all 50 states. See nursing.wsu.edu/accreditation for more information.

Minimum Required Credits: 74 graded; 74 total

Contact Information:
Anne Mason, DNP, DNP Program Director
WSU Health Sciences Spokane, College of Nursing
SNRS 163, 412 Spokane Falls Blvd
Spokane, WA 99202
anne.mason@wsu.edu

Tami Kelley, Academic Coordinator/Advisor
<table>
<thead>
<tr>
<th>Nursing (Population Health), DNP</th>
<th></th>
<th>Nursing (Psychiatric/Mental Health Nurse Practitioner), DNP</th>
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<tbody>
<tr>
<td><strong>College of Nursing</strong></td>
<td><strong>Website:</strong> <a href="nursing.wsu.edu/academics/dnp-population-health/">nursing.wsu.edu/academics/dnp-population-health/</a></td>
<td><strong>College of Nursing</strong></td>
</tr>
<tr>
<td><strong>Description:</strong> The Doctor of Nursing Practice Population Health (DNP PH) is the terminal practice-focused degree that is designed to educate advanced practice nurses for work in community or public health, improving health care systems and population health by addressing health policy, epidemiology and health promotion through partnerships with other professional disciplines and local organizations. There are two pathways available: Post-baccalaureate DNP-PH (72 total credits + 1000 practicum hours) and Post-Master’s DNP-PH (66 total credits + 1000 practicum hours)</td>
<td><strong>Description:</strong> The Doctor of Nursing Practice Psychiatric/Mental Health Nurse Practitioner (DNP PMHNP) is a practice-focused degree that is designed to educate advanced practice nurses to provide direct care to individual patients; manage care for individuals, families, groups and populations; serve as administrators in health care organizations; engage as faculty in nursing programs; develop and implement health policy; and translate research into expert practice.</td>
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<tr>
<td><strong>Location(s):</strong> Spokane, Vancouver, Tri-Cities</td>
<td><strong>Location(s):</strong> Spokane, Vancouver, Tri-Cities</td>
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<tr>
<td><strong>Admission and Degree Requirements:</strong> See admission and degree requirements at <a href="nursing.wsu.edu/academics/dnp-admission-criteria">nursing.wsu.edu/academics/dnp-admission-criteria</a></td>
<td><strong>Admission and Degree Requirements:</strong> See admission and degree requirements at <a href="nursing.wsu.edu/academics/dnp-admission-criteria">nursing.wsu.edu/academics/dnp-admission-criteria</a></td>
<td><strong>Application Deadline:</strong> Fall, November 15</td>
</tr>
<tr>
<td><strong>Licensure:</strong> WSU College of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE). Licensure is recognized in all 50 states. See <a href="nursing.wsu.edu/accreditation">nursing.wsu.edu/accreditation</a> for more information.</td>
<td><strong>Licensure:</strong> WSU College of Nursing is accredited by the Commission on Collegiate Nursing Education (CCNE). Licensure is recognized in all 50 states. See <a href="nursing.wsu.edu/accreditation">nursing.wsu.edu/accreditation</a> for more information.</td>
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<tr>
<td><strong>Minimum Required Credits:</strong> 66-72 graded; 71-73 total</td>
<td><strong>Minimum Required Credits:</strong> 74 graded; 74 total</td>
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<tr>
<td><strong>Contact Information:</strong> Anne Mason, DNP, Program Director WSU Health Sciences Spokane, College of Nursing SNRS 161, 412 Spokane Falls Blvd Spokane, WA 99202 <a href="mailto:anne.mason@wsu.edu">anne.mason@wsu.edu</a></td>
<td><strong>Contact Information:</strong> Anne Mason, DNP, Program Director WSU Health Sciences Spokane, College of Nursing SNRS 163, 412 Spokane Falls Blvd Spokane, WA 99202 509-324-7253 <a href="mailto:anne.mason@wsu.edu">anne.mason@wsu.edu</a></td>
<td></td>
</tr>
<tr>
<td>Tami Kelley, Academic Coordinator/Advisor WSU Health Sciences Spokane, College of Nursing SNRS 133, 412 Spokane Falls Blvd Spokane, WA 99202 509-324-7334 509-324-7341 <a href="mailto:tamara.kelley@wsu.edu">tamara.kelley@wsu.edu</a></td>
<td>Tami Kelley, Academic Coordinator/Advisor WSU Health Sciences Spokane, College of Nursing SNRS 133, 412 Spokane Falls Blvd Spokane, WA 99202 509-324-7334 509-324-7341 <a href="mailto:tamara.kelley@wsu.edu">tamara.kelley@wsu.edu</a></td>
<td><strong>College of Pharmacy and Pharmaceutical Sciences</strong></td>
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<td><strong>Pharmaceutical Sciences, PharmD</strong></td>
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College of Pharmacy and Pharmaceutical Sciences
Professional Degree
Website: pharmacy.wsu.edu/prospectivestudents/index.html
Description: The WSU College of Pharmacy, located at the WSU Health Sciences campus located in Spokane, Washington, is fully accredited by the Accreditation Council for Pharmacy Education. With its proximity to the Spokane healthcare community, students have unique opportunities for teaching, collaborative research, and scholarship. Please contact the College of Pharmacy and Pharmaceutical Sciences about this professional degree.
Location(s): Spokane
Admission and Degree Requirements: See admission requirements at pharmacy.wsu.edu/doctor-of-pharmacy/admissions/ and Student Handbook at pharmacy.wsu.edu/doctor-of-pharmacy/current-student-resources/advising/
Application Deadline: Fall, December 5 (priority); Fall, January 10 (final)
Minimum Required Credits: 135 graded; 135 total
Contact Information:
Evan Barton, Recruitment and Outreach Specialist
WSU Spokane
Pharmaceutical and Biomedical Sciences Building, Room 120R
509-358-7702
evan.barton@wsu.edu

Pharmaceutical Sciences and Molecular Medicine, MS
College of Pharmacy and Pharmaceutical Sciences
Note: The M.S. in Pharmaceutical Sciences and Molecular Medicine is only available to students in the Ph.D. program.

Pharmaceutical Sciences and Molecular Medicine, PhD
College of Pharmacy and Pharmaceutical Sciences
Website: pharmacy.wsu.edu/prospectivestudents/graduateprogram_phd-pharmsci.html
Description: We prepare students to be successful professionals in academia, industry, health care, and private institutions dedicated to the promotion of human health and wellness. Our curriculum provides exposure to research in molecular and cellular biochemistry, basic and clinical pharmacology, neuropharmacology, immunology, gene therapy, pharmacokinetics, pharmacogenomics and pharmacogenetics.
Location(s): Spokane
Admission and Degree Requirements: See admission requirements at pharmacy.wsu.edu/doctor-of-pharmacy/admissions/ and Student Handbook at pharmacy.wsu.edu/doctor-of-pharmacy/current-student-resources/advising/
Application Deadline: Fall, December 5 (priority); Fall, January 10 (final)
Minimum Required Credits: 24 graded; 72 total
Contact Information:
Christina Brelia, Graduate Program Coordinator
Pharmaceutical and Biomedical Sciences Building PBS Room 323
Spokane, WA 99210-1495
509-368-6607
christina.brelia@wsu.edu

College of Veterinary Medicine
Molecular Biosciences, PhD
College of Veterinary Medicine
School of Molecular Biosciences
Website: molecular.biosciences.wsu.edu/
Description: Molecular Biosciences is a dynamic continuum of disciplines, which uses the approaches of chemistry, physics, and biology to understand the fundamental mechanisms of living organisms. The School of Molecular Biosciences offers many exciting opportunities for graduate students to explore the vast range of life science research. Representative disciplines include biochemistry, biophysics, cell biology, genetics, immunology, microbiology, molecular biology, structural biology, and virology.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at smb.wsu.edu/academic-training/graduate-studies/application-information and SMB Handbook at smb.wsu.edu/academic-training/graduate-studies/phd-and-ms/current-students
Application Deadline: Fall, December 1
Minimum Required Credits: 21 graded; 72 total
Contact Information:
Tami Breske
PO Box 647520
Biotechnology Life Sciences 102C
Pullman, WA 99164-7520
509-335-4318
509-335-1907
smbgrad@wsu.edu

Molecular Biosciences, MS
College of Veterinary Medicine
School of Molecular Biosciences
Website: molecular.biosciences.wsu.edu/
Description: Molecular Biosciences is a dynamic continuum of disciplines, which uses the approaches of chemistry, physics, and biology to understand the fundamental mechanisms of living organisms. The School of Molecular Biosciences offers many exciting opportunities for graduate students to explore the vast range of life science research. Representative disciplines include biochemistry, biophysics, cell biology, genetics, immunology, microbiology, molecular biology, structural biology and virology.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at smb.wsu.edu/academic-training/graduate-studies/PSM/admission-application and PSM Student Handbook at smb.wsu.edu/academic-training/graduate-studies/PSM/resources
Application Deadline: Fall, June 1 (March 1 (international)); Spring, November 1 (June 1 (international)); Summer, March 1 (November 1 (international))
Minimum Required Credits: 26 graded; 30 total

Contact Information:
Tami Breske
PO Box 647520
Biotechnology Life Sciences 102C
Pullman, WA 99164-7520
509-335-4318
509-335-1907
smbgrad@wsu.edu

Molecular Biosciences, PSM
College of Veterinary Medicine
School of Molecular Biosciences
Website: smb.wsu.edu/academic-training/graduate-studies/PSM

Description: The Professional Science Master’s in Molecular Biosciences (PSM-MB) is designed to help students transition into the workplace by training them in skills that employers need. This master’s degree (PSM-MB), offered in the School of Molecular Biosciences (SMB), combines science with training in ethics and business, bridging the gap between academia and the workplace. An important career-oriented aspect of the program is that it requires an internship with practical training, rather than a thesis.
Location(s): Pullman, Global Campus
Admission and Degree Requirements: See admission requirements at smb.wsu.edu/academic-training/graduate-studies/PSM/admission-application and PSM Student Handbook at smb.wsu.edu/academic-training/graduate-studies/PSM/resources
Application Deadline: Fall, June 1 (March 1 (international)); Spring, November 1 (June 1 (international)); Summer, March 1 (November 1 (international))
Minimum Required Credits: 26 graded; 30 total

Contact Information:
Tami Breske
PO Box 647520
Biotechnology Life Sciences 102C
Pullman, WA 99164-7520
509-335-4318
509-335-1907
smbgrad@wsu.edu

Neuroscience (Integrative Physiology and Neuroscience), PhD
College of Veterinary Medicine
Programs in Neuroscience
Website: ipn.vetmed.wsu.edu/neuroscience
Description: Neuroscience is the study of the nervous system from elementary molecular events to integrative outputs such as behavior and autonomic control. The Ph.D. program in Neuroscience at WSU includes classroom discussions of primary neuroscience literature, courses designed specifically to teach students scientific reasoning and training in proposal writing and oral presentation skills. However, the bulk of the program is spent pursuing a scientific question that includes the design and completion of an original investigation. Students develop their project under the expert guidance of well-funded and renowned neuroscientists on the
Neuroscience (Integrative Physiology and Neuroscience), MS
College of Veterinary Medicine
Programs in Neuroscience
Website: ipn.vetmed.wsu.edu/neuroscience/graduate
Description: Neuroscience is the study of the nervous system from elementary molecular events to integrative outputs such as behavior and autonomic control. The program in Neuroscience at WSU includes classroom discussions of primary neuroscience literature, courses designed specifically to teach students scientific reasoning and training in proposal writing and oral presentation skills. However, the bulk of the program is spent pursuing a scientific question that includes the design and completion of an original investigation. Students develop their project under the expert guidance of well-funded and renowned neuroscientists on the faculty at WSU. Members of the graduate faculty in the Program in Neuroscience come from multiple departments, colleges, and campuses from across the University, thus giving students a broad selection of mentors and potential topics for their dissertation research.
Location(s): Pullman
Admission and Degree Requirements: See admission and degree requirements at ipn.vetmed.wsu.edu/neuroscience/graduate
Application Deadline: Fall, December 15
Minimum Required Credits: 15-21 graded; 72 total
Contact Information:
Becky Morton
Pullman, WA 99164-7620
509-335-6624
bmorton@wsu.edu

Veterinary Science, DVM
College of Veterinary Medicine
Professional Degree
Website: dvm.vetmed.wsu.edu
Description: A veterinarian is trained in the science of prevention, cure, or alleviation of disease and injury in animals. Admission to the WSU veterinary medical education program is competitive and requires a broad undergraduate experience. Contact the College of Veterinary Medicine about this professional degree program.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at dvm.vetmed.wsu.edu/admissions.
Contact coordinator for degree requirements.
Application Deadline: Fall, rolling; Spring, rolling
Minimum Required Credits: Contact coordinator for credit requirements.

Veterinary Science (Clinical and Translational Sciences, PhD
College of Veterinary Medicine
Department of Veterinary Clinical Sciences
Website: vcs.vetmed.wsu.edu/graduate-studies
Description: The graduate program in the Department of Veterinary Clinical Sciences (VCS) at Washington State University is a plan of study leading to a doctoral degree. The objectives of the program are to promote high standards of scholarly creativity, enable students to develop as successful professionals for highly competitive positions in academia, industry and government, prepare students to be effective researchers (clinical and translational sciences) Areas of research may include: internal medicine, cardiology, anesthesiology, neurology, surgery, radiology, clinical pathology,
theriogenology, equine exercise physiology, exotic animal medicine, microbiomes, antimicrobial resistance, pharmacogenetics, individualized medicine, epidemiology, and production medicine.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at [vcs.vetmed.wsu.edu/graduate-studies](https://vcs.vetmed.wsu.edu/graduate-studies) and degree requirements at [vcs.vetmed.wsu.edu/graduate-studies](https://vcs.vetmed.wsu.edu/graduate-studies)

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** 15 graded; 20 research; 72 total

**Contact Information:**
Kathy Dahmen
PO Box 646610
College of Veterinary Medicine, Room ADBF 1020
Pullman, WA 99163-6610
509-335-0723
dahmen@wsu.edu

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**Veterinary Science (Clinical and Translational Sciences), MS**

*College of Veterinary Medicine*

*Department of Veterinary Clinical Sciences*

*Website:* [vcs.vetmed.wsu.edu/graduate-studies](https://vcs.vetmed.wsu.edu/graduate-studies)

*Description:* The program's research and training programs are focused in the immunology, epidemiology and host-pathogen interactions at the molecular level of bacterial, parasitic, and viral infections of animals and humans. The academic research environment is enriched by integration of the Department of Veterinary Microbiology and Pathology, the School of Molecular Biosciences, the Paul G. Allen School for Global Animal Health ([globalhealth.wsu.edu/](https://globalhealth.wsu.edu/)), the Washington State University Animal Health Research Center and the USDA-ARS Animal Disease Research Unit. Dissertation research is carried out under the direction of a highly collaborative research faculty internationally recognized for infectious disease research and who are experienced in mentoring trainees within state-of-the-art laboratories funded by federal agencies including NIH, NSF, USAID, and USDA, non-profit research foundations such as The Wellcome Trust and the Bill and Melinda Gates Foundation, and other federal, state, regional, and private institutions and organizations.

**Location(s):** Pullman

**Admission and Degree Requirements:** See admission requirements at [vmp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/application](https://vmp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/application). Contact department for degree requirements.

**Application Deadline:** Fall, rolling; Spring, rolling

**Minimum Required Credits:** 16 graded; 72 total
**Veterinary Science (Combined Clinical Microbiology Residency), PhD**

*College of Veterinary Medicine*

*Department of Veterinary Microbiology and Pathology*

*Website:* [vmp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/microbiology](http://vmp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/microbiology)

*Description:* The program’s research and training programs are focused in the immunology, epidemiology and host-pathogen interactions at the molecular level of bacterial, parasitic, and viral infections of animals and humans. The academic research environment is enriched by integration of the Department of Veterinary Microbiology and Pathology, the School of Molecular Biosciences, the Paul G. Allen School for Global Animal Health ([globalhealth.wsu.edu](http://globalhealth.wsu.edu/)), the Washington State University Animal Health Research Center and the USDA-ARS Animal Disease Research Unit. Dissertation research is carried out under the direction of a highly collaborative research faculty internationally recognized for infectious disease research and who are experienced in mentoring trainees within state-of-the-art laboratories funded by federal agencies including NIH, NSF, USAID, and USDA, non-profit research foundations such as The Welcome Trust and the Bill and Melinda Gates Foundation, and other federal, state, regional, and private institutions and organizations.

*Location(s):* Pullman

*Admission and Degree Requirements:* See admission requirements at [vmp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/microbiology](http://vmp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/microbiology), Contact department for degree requirements.

*Application Deadline:* Fall, rolling; Spring, rolling

*Minimum Required Credits:* 16 graded; 72 total

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**Veterinary Science (Immunology and Infectious Diseases (IID)), PhD**

*College of Veterinary Medicine*

*Department of Veterinary Microbiology and Pathology*

*Website:* [vmp.vetmed.wsu.edu/graduate-programs/master-phd](http://vmp.vetmed.wsu.edu/graduate-programs/master-phd)

*Description:* We offer outstanding doctoral education in the immunology, epidemiology and host-pathogen interactions of bacterial, parasitic, and viral infections of animals and humans. Together the major professor and graduate student trainee develop a directed course of research. Throughout the training period, all graduate students attend weekly research seminars where faculty and trainees present recent results. The goal of trainee participation in these seminars is exposure to critical analysis of data, experimental design and discussion of research significance. Trainees are expected to conduct original research leading to a significant contribution to knowledge in the trainee’s area of emphasis and culminating in publication in leading international scientific journals. This publication is required for and constitutes the dissertation. The final examination is preceded by a public presentation of the research, attended by the faculty, graduate students, and post-doctoral fellows, followed by an oral examination.

*Location(s):* Pullman

*Admission and Degree Requirements:* See admission requirements at [graduate.vetmed.wsu.edu/participating-programs/iid/how-to-apply](http://graduate.vetmed.wsu.edu/participating-programs/iid/how-to-apply), Contact department for degree requirements.

*Application Deadline:* Fall, rolling; Spring, rolling

*Minimum Required Credits:* 16 graded; 72 total

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**Veterinary Science (Immunology and Infectious Diseases (IID)), MS**

*College of Veterinary Medicine*

*Department of Veterinary Microbiology and Pathology*

*Website:* [vmp.vetmed.wsu.edu/graduate-programs/master-phd](http://vmp.vetmed.wsu.edu/graduate-programs/master-phd)

*Description:* We offer outstanding master’s education in the immunology, epidemiology and host-pathogen interactions of bacterial, parasitic, and viral infections of animals and humans. Together the major professor and graduate student trainee develop a directed course of study. Throughout the training period, all graduate students attend weekly research seminars where faculty and trainees present recent results. The goal of trainee participation in these seminars is exposure to critical analysis of data, experimental design and discussion of research significance. Trainees are expected to conduct original research leading to a significant contribution to knowledge in the trainee’s area of emphasis and culminating in publication in leading international scientific journals. This publication is required for and constitutes the thesis. The final examination is preceded by a public presentation of the research, attended by the faculty, graduate students, and post-doctoral fellows, followed by an oral examination.

*Location(s):* Pullman

*Admission and Degree Requirements:* See admission requirements at [graduate.vetmed.wsu.edu/participating-programs/iid/how-to-apply](http://graduate.vetmed.wsu.edu/participating-programs/iid/how-to-apply), Contact department for degree requirements.

*Application Deadline:* Fall, rolling; Spring, rolling

*Minimum Required Credits:* 16 graded; 72 total
College of Veterinary Medicine
Department of Veterinary Microbiology and Pathology
Website: vmp.vetmed.wsu.edu/graduate-programs/master-phd
Description: The M.S. program in Immunology and Infectious Diseases provides education and training in immunology and host-pathogen interactions of bacterial, parasitic, and viral infections of animals and humans. The academic research environment is enriched by integration of the Department of Veterinary Microbiology and Pathology, the Paul G. Allen School for Global Animal Health, the School of Molecular Biosciences, and the USDA-ARS Animal Disease Research Unit. Thesis research is carried out under the direction of highly collaborative research faculty who are internationally recognized for their research in infectious diseases.
Location(s): Pullman
Admission and Degree Requirements: See admission requirements at graduate.vetmed.wsu.edu/participating-programs/iid/how-to-apply. Contact department for degree requirements.
Application Deadline: Fall, December 15 (priority); Fall, rolling; Spring, rolling
Minimum Required Credits: 21 graded; 30 total
Contact Information:
Sue Zumwalt
402 Bustad Hall
Pullman, WA 99164-7040
509-335-6027
509-335-8529
szumwalt@wsu.edu

Veterinary Science (Integrative Physiology and Neuroscience), MS
College of Veterinary Medicine
Integrative Physiology and Neuroscience (IPN) Program
Website: ipn.vetmed.wsu.edu/ipn-home
Description: The Master’s program in Veterinary Sciences: Integrative Physiology and Neuroscience (IPN) is a very flexible program ideally suited for those students interested in pursuing master’s level graduate work with a faculty member in IPN but not interested in the Neuroscience program. This often includes (but is not limited to) faculty in the muscle/biomechanical group in the department. Because of the wide range of potential thesis topics, the selection of appropriate class work for an individual student’s program is left to the discretion of the student and their mentor. Classes typically include some background courses as well as graduate seminars, professional development opportunities, and a course in proposal writing and presentation.
Location(s): Pullman
Application Deadline: Fall, December 15
Minimum Required Credits: 15-21 graded; 72 total
Contact Information:
Becky Morton
Pullman, WA 99164-7620
509-335-6624
bmorton@wsu.edu
Admission and Degree Requirements: See admission requirements at vmp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/application. Contact department for degree requirements.
Application Deadline: Fall, December 15
Minimum Required Credits: 21 graded; 30 total

Contact Information:
Becky Morton
Pullman, WA 99164-7620
509-335-6624
bmorton@wsu.edu

WSU Global Campus

Online Degrees
Website: online.wsu.edu/grad/Default.aspx
Agriculture, MS
Agriculture – Food Science and Management, MS
Electric Power Engineering, PSM
Engineering and Technology Management, METM
Executive MBA
Molecular Biosciences, PSM
Software Engineering, MS
Special Education, EdM
Strategic Communication, MA

Online Certificates
Website: online.wsu.edu/grad/Default.aspx
Bioethics Certificate
Engineering and Technology Management Certificate
Health Communication and Promotion Certificate
OMBA Concentrations
Professional Molecular Sciences Certificate
Strategic Communication Certificate
Sustainable Agriculture Certificate

Graduate Certificates

Applied Educational Research Methods Certificate

College of Education
Department of Educational Leadership, Sports Studies, Education/Counseling Psychology
Website: education.wsu.edu/graduate/edpsych/methodscertificate/
Description: There's a growing need among social science professionals to have sufficient methodological skills to produce, analyze, synthesize, report, and consume information so that decisions can be made using an evidence-based approach. That’s why this certificate was created. In addition, considering the complex nature of contemporary societal problems, the certificate seeks to fill a broader need in our university to train and support graduate students to use different methods to approach complex problems.
Location(s): Pullman
Admission and Certificate Requirements: See admission requirements and certificate requirements at
education.wsu.edu/graduate/edpsych/methodscertificate/
Minimum Required Credits: 15 graded; 15 total

Contact Information:
Olusola Adesope
509-335-2771
olusola.adesope@wsu.edu
Brian French, PhD
509-335-8584
frenchb@wsu.edu

Applied Measurement and Quantitative Methods Certificate
College of Arts and Sciences
Department of Psychology
College of Education
Department of Educational Leadership, Sports Studies, Education/Counseling Psychology
Website: education.wsu.edu/graduate/edpsych/quantitativemethodscertificate/
Description: The Graduate Certificate in Applied Measurement and Quantitative Methods, administered by the Department of Psychology in the College of Arts and Sciences and Educational Psychology in the College of Education, provides
advanced knowledge and training in methods typically employed to investigate a wide variety of problems in the broad domains of the social and behavioral sciences. The certificate leverages expertise across colleges to provide students in a variety of disciplines with advanced proficiency in quantitative methods and educational and psychological measurement. Students will gain the expertise to produce, analyze, and report empirical information to drive decision-making and understanding complex environments.

**Location(s):** Pullman

**Admission and Certificate Requirements:** See admission requirements and certificate requirements at [education.wsu.edu/graduate/edpsych/methodscertificate/](http://education.wsu.edu/graduate/edpsych/methodscertificate/)

**Minimum Required Credits:** 15 graded; 15 total

**Contact Information:**
- Leonard Burns, PhD
  509-335-8299
  glburns@wsu.edu
- Brian French, PhD
  509-335-8584
  frenchb@wsu.edu

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**Bioethics Certificate**

*College of Arts and Sciences*

*School of Politics, Philosophy, and Public Affairs*

**Website:** [online.wsu.edu/cert/bioethics.aspx](http://online.wsu.edu/cert/bioethics.aspx)

**Description:** As science expands medical boundaries, society faces tough new questions on such topics as assisted suicide, genetic testing and stem cell research. WSU’s online Graduate Certificate in Bioethics program teaches students how to weigh competing social and individual interests using ethical theories. The certificate enhances employment opportunities in three main areas: Health care, including the bio-tech industry as well as hospitals, nursing homes, and public health organizations; legal work, including law firms, hospital consulting, bioethics centers, medical societies, international organizations, and non-governmental organizations; and academic, including such fields as philosophy, anthropology, biology, history, politics, and sociology.

**Location(s):** Pullman, Global Campus

**Admission and Certificate Requirements:** Contact department for more information.

**Minimum Required Credits:** 8 graded; 9 total

**Contact Information:**
- William Kabasenche
  School of Politics, Philosophy, and Public Affairs
  Johnson Tower 814
  Washington State University
  Pullman, WA 99164-4880
  509-335-8719
  wkabasenche@wsu.edu
- Diane Scott
  Johnson Tower 801
  509-335-2545
  scottdj@wsu.edu

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**Bioinformatics Certificate**

*College of Arts and Sciences*

*School of Biological Sciences*

**Website:** [sbs.wsu.edu/graduate-certificate-in-bioinformatics/](http://sbs.wsu.edu/graduate-certificate-in-bioinformatics/)

**Description:** The certificate emphasizes the acquisition of biological and computational expertise by supplementing graduate students' existing background with necessary training in molecular biology, genomics, and computer science. There is a clear need for the development of expertise to analyze the growing amount of biological data generated from genomic, phenotypic, environmental, and other sources. The goal of the certificate is to provide the coursework and a richer academic environment for graduate student to synthesize information across multiple disciplines. The certificate is aimed to prepare highly qualified graduate students who have rigorous multidisciplinary training in molecular biology, genomics, and computer science. The certificate is aimed at graduate students in engineering, sciences, computer science, and agriculture, although students from other colleges may also find it valuable. The primary objective is to provide students an interdisciplinary training in bioinformatics. Our goal is to develop among the students a critical scientific understanding of bioinformatics, including the biological and
computational aspects of algorithm development and implementation.

**Location(s):** Pullman, Spokane, Tri-Cities, Vancouver

**Admission and Certificate Requirements:** See admission and certificate requirements at [sbs.wsu.edu/graduate-certificate-in-bioinformatics/](sbs.wsu.edu/graduate-certificate-in-bioinformatics/)

**Minimum Required Credits:** 12 graded; 12 total

**Contact Information:**

Joanna Kelley  
Pullman, WA 99164  
509-335-0037  
joanna.l.kelley@wsu.edu

Omar Cornejo  
509-335-0179  
omar.cornejo@wsu.edu

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**C-NSPIRE: Carbon and Nitrogen Systems Policy-Oriented Research and Education**

*Graduate School*  
*Center for Environmental Research, Education, and Outreach*

**Website:** [cereo.wsu.edu/c-nspire-certificate-program/](cereo.wsu.edu/c-nspire-certificate-program/)

**Description:** The certificate is aimed at graduate students with environmental interests in engineering, sciences, and agriculture, although students in the social sciences and other disciplines may also find it valuable and are encouraged to participate. The primary objective is to provide students an interdisciplinary perspective of the science related to the global N- and C-cycles and to introduce students to public policy studies. The C and N cycles are closely coupled and associated with global sustainability issues related to climate change, air and water quality, and other environmental impacts. Given the complexities of the C and N cycles, policy solutions to mitigate the environmental impacts require an integrated management approach.

**Location(s):** Pullman

**Admission and Certificate Requirements:** See admission and certificate requirements at [cereo.wsu.edu/c-nspire-certificate-program/cnspire-requirements/](cereo.wsu.edu/c-nspire-certificate-program/cnspire-requirements/)

**Application Deadline:** Fall, August 1; Spring, December 1; Summer, April 1

**Minimum Required Credits:** 13 graded; 13 total

**Contact Information:**

Julie Padowski, PhD, Assistant Director  
CEREO  
PACCAR Room 242  
Washington State University  
Pullman, WA 99164-5825  
509-335-5531  
cereo@wsu.edu

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**Constraints Management Certificate**

*Voiland College of Engineering and Architecture*  
*Engineering and Technology Management Program*

**Website:** [etm.wsu.edu/certificate-program/constraints-management/](etm.wsu.edu/certificate-program/constraints-management/)

**Description:** The Theory of Constraints (TOC) certificate focuses on the management of the limiting factors of any system. By providing specific methods of managing variability, TOC creates exceptional performance very quickly and then encourages a process on an on-going improvement through the focused use of LEAN and Six Sigma tools. The TOC methods apply to every level of the organization and at every level of maturity. As a result, using TOC over time results in a stable and ever-improving organization. This certificate teaches the TOC proven solutions and the TOC thinking process for new solutions. It includes managing people, processes, projects, finances, and strategy for a company.

**Location(s):** Global Campus

**Admission and Certificate Requirements:** See admission and certificate requirements [etm.wsu.edu/certificate-program/](etm.wsu.edu/certificate-program/)

**Application Deadline:** Fall, July 15 (Jan 10 international); Spring, November 15 (July 1 international); Summer, March 15

**Minimum Required Credits:** 9 graded; 9 total

**Contact Information:**

Luna Magpili, PhD  
[etm@wsu.edu](mailto:etm@wsu.edu)

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**Digital Humanities and Culture Certificate**

*College of Arts and Sciences*  
*Digital Technology and Culture Program*  
*Department of English*

**Website:** [dtc.wsu.edu/graduate-certificate/](dtc.wsu.edu/graduate-certificate/)

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Description: The Digital Humanities and Culture Graduate Certificate emphasizes the critical analysis and creative production of digital media in a global context. The certificate brings together the social, cultural, historical and technical affordances of digital culture through humanistic inquiry and computational frameworks. Fulfilling the requirements of the certificate prepares students for problem solving, outreach and engagement locally and globally. More than learning a specific technology or computing platform, a graduate certificate in Digital Humanities and Culture challenges students to learn how, when, and most importantly why to use technology to solve a range of social, educational, technical, and/or political problems for information technology companies, political advocacy groups, social justice projects, institutions of higher education and beyond. Merging theory and practice, the Digital Humanities and Culture certificate provides a foundation for critical digital literacy and computation. Designed to enhance already existing graduate programs in the humanities and the social sciences, the graduate certificate in Digital Humanities and Culture offers graduate-level coursework in critical methods, textual analysis, composing practices, and hands-on production for engaging with humanistic studies in, as well as about, digital environments. Sharing the vision of the College of Arts and Sciences to, “Connect faculty and students across disciplines and campuses to enable them to address problems that transcend disciplinary boundaries,” the graduate certificate in Digital Humanities and Culture brings together courses, students, and faculty with an emphasis on the interdisciplinary strengths of the Digital Technology and Culture program and the English Department.

Location(s): Pullman

Admission and Certificate Requirements: See admission requirements at dtc.wsu.edu/graduate-certificate/ or english.wsu.edu/graduate-certificates/

Minimum Required Credits: 15 graded; 15 total

Contact Information:
Kimberly Christen, PhD
Professor and Director of Digital Technology and Culture Program
kachristen@wsu.edu

Roger Whitson, PhD
Professor and Director of Graduate Studies, English
roger.whitson@wsu.edu

Education Technology Across the Curriculum Certificate
College of Education
Department of Teaching and Learning
Website: education.wsu.edu/graduate/graduatecertificates/cetc/

Description: The Graduate Certificate in Education Technology Across the Curriculum allows students to develop skills and obtain documentation that will help them obtain positions across disciplines that require knowledge of and experience with education technology around the world. The coursework comprises 15 hours that address International Society for Technology in Education (ISTE) standards and disciplinary standards, and it focuses on developing knowledge and skills for working with diverse students and communities. The required coursework emphasizes research, theoretical, and practical issues concerning effective uses and affordances of technologies and the implementation of appropriate classroom teaching techniques.

Location(s): Pullman

Admission and Certificate Requirements: See admission and certificate requirements at education.wsu.edu/graduate/graduatecertificates/cetc/

Minimum Required Credits: 15 graded; 15 total

Contact Information:
Joy Egbert
509-335-7277
jegbert@wsu.edu

Global Justice and Security Studies Certificate
College of Arts and Sciences
School of Politics, Philosophy, and Public Affairs
Website: pppa.wsu.edu/graduate-studies/m-a-in-political-science-certificate-in-global-justice-security-studies/

Description: Students are given an option of pursuing an M.A. degree in Political Science with a graduate certificate in Global Justice and Security Studies (GJSS). This nonthesis, terminal degree is designed to provide students with a specialized qualification better suited for the pursuit of professional careers in federal, state, or local government. The GJSS program targets students
intending to pursue largely non-academic, governmental careers as practitioners, whether it be in the field of homeland security, law enforcement, not-for-profit organizations, NGOs, or as analysts within the U.S. intelligence or defense communities. The master’s in GJSS is geared towards providing students with maximum of flexibility in constructing their specific areas of specialization, while at the same time providing the common elements needed for a coherent program of study. Faculty work closely with students to tailor the GJSS program of study in order to best fit their own individual professional needs.

Location(s): Pullman

Admission and Certificate Requirements: See admission requirements at pppa.wsu.edu/graduate-studies/admissions-and-application-information/ and Graduate Handbook at pppa.wsu.edu/graduate-studies/student-handbook-and-services/

Application Deadline: Fall, January 10

Minimum Required Credits: The M.A. with the GJSS certificate has 27 graded credits, 31 total.

Contact Information:
Michael Salamone, PhD
School of Politics, Philosophy, and Public Affairs
Johnson Twr 812
PO Box 644880
Pullman, WA 99164-4880
509-335-7569
michael.salamone@wsu.edu

Diane Scott, Program Coordinator
School of Politics, Philosophy, and Public Affairs
Johnson Tower 801
PO Box 644880
Pullman, WA 99164-4880
509-335-2545
scottdj@wsu.edu

Health Communication and Promotion Certificate
Edward R. Murrow College of Communication
Website: murrow.wsu.edu/academics/murrow-online/grad-cert-comhlth/

Description: Washington State University’s online Certificate in Health Communication and Promotion is designed for individuals who want to advance their professional credentials in health communication advertising, public relations, and digital communications outreach. The coursework comprises 12 hours that address best practices in market research techniques, multimedia content creation, crisis communication, professional ethics, and research methods. The required coursework is tailor-made for current and aspiring health communication specialists, public relations practitioners, public information officers or other professionals seeking to enhance or hone core competencies in health communication practices. Courses are rooted in the foundation of research and theory in partnership with pervasive computing, and sensor networks has matured to the point where they can be integrated into a new field known as smart environments. A major societal impact of smart environments is assisting people with special health needs. To most people home is a sanctuary, yet today those who need special care often must leave home to meet medical needs. Our work force needs individuals who are trained in engineering, psychology, and health care and are poised to make scientific advances in this field that will benefit society.

Location(s): Pullman

Admission and Certificate Requirements: See admission and certificate requirements at igert.eecs.wsu.edu/certificate-health-assistive-smart-environment-design/index.html

Application Deadline: Fall, January 10; Spring, July 1

Minimum Required Credits: 12 graded; 12 total

Contact Information:
Diane Cook, PhD
School of Electrical Engineering and Computer Science
Box 642752
Pullman, WA 99164-2752
509-335-4985
cook@eecs.wsu.edu

Health-Assistive Smart Environment Design Certificate
Voiland College of Engineering and Architecture
Website: igert.eecs.wsu.edu/certificate-health-assistive-smart-environment-design

Description: People have always lived in places that provide shelter and basic comfort. As society and technology advance there is a growing interest in adding intelligence to our living and working environments. Expertise in machine learning,
courses that teach students best practices and industry standards in contemporary health communication strategies and tactics.

**Location(s):** Global Campus

**Admission and Certificate Requirements:** See admission and certificate requirements at [murrow.wsu.edu/academics/murrow-online/grad-cert-comhlth/](murrow.wsu.edu/academics/murrow-online/grad-cert-comhlth/)

**Application Deadline:** Fall, August 1; Spring, December 1; Summer, April 15

**Minimum Required Credits:** 12 graded; 12 total

**Contact Information:**
Jeremy Watson, Graduate Coordinator
Murrow College of Communication
PO Box 642520
Pullman, WA 99164-2520
509-335-5608
jeremy.b.watson@wsu.edu

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**Logistics and Supply Chain Management Certificate**

*Voiland College of Engineering and Architecture Engineering and Technology Management Program*

**Website:** [etm.wsu.edu/certificate-program/logistics-and-supply-chain-management/](etm.wsu.edu/certificate-program/logistics-and-supply-chain-management/)

**Description:** Every organization has internal supply chains, and links to external suppliers and customers. Interlinking organizations span the spectrum from raw materials to finished products and services in the hands of the consumer. The supply chain extends even to final disposition of the commodities we consume from concept to grave. The structured dependency of such chains and the uncertainty of forecasts and systemic delays are amplified as individual links in the supply chain to try to optimize their performance. Even minor changes in the market can cause wild swings in economic performance. Modern design for manufacturability, six sigma quality, operation theories, information systems such as ERP systems, and theory of constraints hold the promise of stabilizing some of the variability by providing visibility along the whole supply chain. Additional control and operational performance factors are needed to provide a complete solution. This course examines the strategy and tactics of supply chain management to include "how to" techniques to implement, measure and reward the individual links in the supply chain.

**Location(s):** Global Campus

**Admission and Certificate Requirements:** See admission and certificate requirements [etm.wsu.edu/certificate-program/](etm.wsu.edu/certificate-program/)

**Application Deadline:** Fall, July 15 (Jan 10 international); Spring, November 15 (July 1 international); Summer, March 15

**Minimum Required Credits:** 12 graded; 12 total

**Contact Information:**
Patti Elshafei, Graduate Academic Coordinator
509-335-0125
etm@wsu.edu

Luna Magpili, PhD
luna.maggili@wsu.edu

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**Manufacturing Leadership Certificate**

*Voiland College of Engineering and Architecture Engineering and Technology Management Program*

**Website:** [etm.wsu.edu/certificate-program/](etm.wsu.edu/certificate-program/)

**Description:** Manufacturing and technical managers in today's manufacturing environments must demonstrate multifaceted leadership combined with a high level of technical expertise in order to compete in a world-class manufacturing arena. The four courses in this certificate provide a unique but essential foundation for understanding and optimizing a manufacturing organization. While many courses in manufacturing focus on the mechanical operations and processes, this certificate focuses on maximizing the performance of the entire system. Achieving the highest levels of performance starts with design of products and systems, integrating the contributions of a complex network of suppliers, and coordinating production according to key constraints throughout the supply chain. Finally, the most effective route to achieving continuous improvement in this environment is the integrated application of Lean, Six Sigma, and Theory of Constraints.

**Location(s):** Global Campus

**Admission and Certificate Requirements:** See admission and certificate requirements [etm.wsu.edu/certificate-program/](etm.wsu.edu/certificate-program/)

**Application Deadline:** Fall, July 15 (Jan 10 international); Spring, November 15 (July 1 international); Summer, March 15

**Minimum Required Credits:** 12 graded; 12 total
Contact Information:
Patti Elshafei, Graduate Academic Coordinator 509-335-0125 etm@wsu.edu

David Paulus, PhD David.paulus@wsu.edu

Nuclear Materials Certificate
Graduate School
Materials Science and Engineering Program
Website: materials.wsu.edu/materials-science-and-engineering-program/nuclear-materials-certificate/
Description: This certificate program will benefit students who wish to pursue employment opportunities in the nuclear industry. The program provides formal academic coursework to engineers whose formal training is in a non-nuclear discipline.
Location(s): Pullman, Tri-Cities
Admission and Certificate Requirements: See admission and certificate requirements at materials.wsu.edu/materials-science-and-engineering-program/nuclear-materials-certificate/
Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 9 graded; 9 total

Contact Information:
John McCloy, PhD
School of Mechanical and Materials Engineering
Washington State University
Pullman, WA 509-335-7796 john mccloy@wsu.edu

Nurse Educator Certificate
College of Nursing
Website: nursing.wsu.edu/academics/graduate-certificates
Description: The nurse educator certificate program, a track within the Masters of Nursing Population Health (MN-PH) graduate nursing program, includes the completion of four theory courses that focus on teaching and learning, with an emphasis on distance friendly educational pedagogy. The program also is open to post-master’s students wishing to focus on nursing education. Each course is designed to be primarily web based with some videoconferencing class sessions. Additional practicum experiences can be arranged; the NURS 556 capstone practicum (a requirement for all MN-PH students) also offers opportunities for an educational focus.
Location(s): Spokane, Tri-Cities, Vancouver
Admission and Certificate Requirements: See admission and certificate requirements at nursing.wsu.edu/academics/certificate-nursing-education
Application Deadline: Fall, April 15; Spring, November 1
Minimum Required Credits: 12 graded; 12 total

Contact Information:
Denise Smart, Program Director
WSU Health Sciences Spokane, College of Nursing
SNRS 135, 412 E. Spokane Falls Blvd.
Spokane, WA 99202 509-324-7255 dsmart@wsu.edu
Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 Spokane Falls Blvd
Spokane, WA 99202 509-324-7334 509-324-7341 tamara.kelley@wsu.edu

Nursing Leadership Certificate
College of Nursing
Website: nursing.wsu.edu/academics/graduate-certificates
Description: This certificate program has been designed for nurse administrators who are seeking advanced education in organizational leadership, quality management/care management, professional practice environments, organizational systems management and communications/collaboration.
Location(s): Spokane, Tri-Cities, Vancouver
Admission and Certificate Requirements: See admission and certificate requirements at nursing.wsu.edu/academics/certificate-nursing-leadership
Application Deadline: Fall, April 15; Spring, November 1
Minimum Required Credits: 12 graded; 12 total

Contact Information:
Denise Smart, Program Director
Nursing Public Health Certificate

College of Nursing
Website: nursing.wsu.edu/academics/graduate-certificates
Description: The Graduate Certificate in Public Health, administered by the College of Nursing, provides advanced education in skills and topics relevant to the growing field of public health. Trained public health professionals, including nurses, are needed to serve diverse populations in our state and region, particularly in rural and resource poor areas. The Certificate in Public Health addresses this growing demand and will provide a timely response to the emerging societal need for specialized, interprofessional education in public health.
Location(s): Spokane, Tri-Cities, Vancouver
Admission and Certificate Requirements: See admission and certificate requirements at nursing.wsu.edu/academics/public-health
Application Deadline: Fall, April 15; Spring, November 1
Minimum Required Credits: 12-13 graded; 12-13 total

Contact Information:
Denise Smart, Program Director
WSU Health Sciences Spokane, College of Nursing
SNRS 135, 412 E. Spokane Falls Blvd.
Spokane, WA 99202
509-324-7255
dsmart@wsu.edu

Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 Spokane Falls Blvd
Spokane, WA 99202
509-324-7334
509-324-7341
tamara.kelley@wsu.edu

Professional Molecular Sciences Certificate

College of Veterinary Medicine
School of Molecular Biosciences
Website: smb.wsu.edu/academic-training/graduate-studies/graduate-certificate-in-molecular-biosciences
Description: The Professional Molecular Sciences Graduate Certificate is an interdisciplinary certificate that combines graduate courses in molecular biosciences with professional courses. This certificate encourages students with an undergraduate degree in the sciences to expand their training into non-science areas, so that they will be well versed in a broad set of transferable skills including business, management and communication; skills that many employers are seeking in future employees.
Location(s): Pullman, Global Campus
Admission and Certificate Requirements: See admission and certificate requirements at smb.wsu.edu/academic-training/graduate-studies/graduate-certificate-in-molecular-biosciences
Application Deadline: Fall, June 1 (March 1 (international)); Spring, November 1 (June 1 (international)); Summer, March 1 (November 1 (international)
Minimum Required Credits: 12 graded; 12 total

Contact Information:
Tamera Breske
Academic Coordinator, Graduate Program
School of Molecular Biosciences
PO Box 7520
Pullman, WA 99164-7520
509-335-4318
tamara.breske@wsu.edu

Project Management Certificate

Voiland College of Engineering and Architecture
Engineering and Technology Management Program
Website: etm.wsu.edu/certificate-program/project-management/
Description: It is necessary for project managers to update their skills in modern project management techniques to effectively contribute to the continuing growth of the industry. The increasing complexity of project management requires the one in charge to
understand the many facets to become/remain proficient in the field. The PM certificate provides the recipients the skills to manage any type of project. It is a fact that all technology managers will have to also manage projects, and it is necessary that these projects be managed professionally. Many professionals have reported that this certificate has allowed them to advance in their careers as a project manager and as a technology manager.

**Location(s):** Global Campus

**Admission and Certificate Requirements:** See admission and certificate requirements [etm.wsu.edu/certificate-program/](http://etm.wsu.edu/certificate-program/)

**Application Deadline:** Fall, July 15 (Jan 10 international); Spring, November 15 (July 1 international); Summer, March 15

**Minimum Required Credits:** 12 graded; 12 total

**Contact Information:**
Patti Elshafei, Graduate Academic Coordinator
509-335-0125
etm@wsu.edu

Bill Gray, PhD
wgray@wsu.edu

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**Protein Biotechnology Certificate**

*College of Agricultural, Human, and Natural Resource Sciences*

**Interdisciplinary Certificate**

**Website:** [nihbiotech.wsu.edu/](http://nihbiotech.wsu.edu/)

**Description:** The NIH Protein Biotechnology Training Program at Washington State University offers interdisciplinary training to enhance the graduate experience and produce versatile scientists and engineers to address the future needs of biotechnology in academic, industrial, or government service. The program provides state-of-the-art training in basic science relevant to biotechnology and an education in the applied aspects of biotechnology, with particular emphasis on protein science. Trainees in the Program are admitted for graduate studies through one of the participating academic units, then nominated for a traineeship: Department of Chemistry; School of Chemical Engineering and Bioengineering; School of Molecular Biosciences; Program in Molecular Plant Sciences; and Department of Veterinary Microbiology and Pathology. Trainee positions are supported by a grant from the National Institute of General Medical Sciences, part of the National Institutes of Health, and contributions by Washington State University.

**Location(s):** Pullman

**Admission and Certificate Requirements:** Contact the relevant participating department for more information. Students develop Individual Development Plans (IDP) to track their professional development.

**Application Deadline:** Applications to join the Biotech Program are reviewed each March. Applicants must be accepted or enrolled in a participating Ph.D. program at WSU before the deadline.

**Minimum Required Credits:** Varies

**Contact Information:**
Susan Cao, Administrative Manager
NIH Biotechnology Training Program
Washington State University
Pullman, WA 99164-6240
509-335-6881
bentjen@wsu.edu

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**Research Communication Certificate**

*Graduate School*

*College of Arts and Sciences*

*Edward R. Murrow College of Communication Interdisciplinary Certificate*

**Website:** [gradschool.wsu.edu/graduate-certificate-program/](http://gradschool.wsu.edu/graduate-certificate-program/)

(Contact Allison Coffin for specifics on the Research Communication Certificate)

**Description:** There is growing recognition of the need for scientists and other STEM professionals to have better communication skills. WSU’s interdisciplinary research communication Graduate Certificate will teach students how to communicate with diverse audiences in a variety of formats, including face-to-face conversations, formal presentations, written content, and multimedia formats. This Certificate will equip students with communication skills for a variety of careers, including careers in academia, industry, science policy, and science communication and outreach.

**Location(s):** Everett, Pullman, Spokane, Tri-Cities, Vancouver

**Admission and Certificate Requirements:** Contact Allison Coffin for admission and certificate requirements.

**Application Deadline:** Fall, August 1; Spring, December 1; Summer, April 15
Minimum Required Credits: 9 graded; 9 total

Contact Information:
Allison Coffin, PhD
WSU Vancouver
14204 NE Salmon Creek Avenue
Vancouver, WA 98686-9600
360-546-9748
allison.coffin@wsu.edu

Six Sigma Quality Management Certificate
Voiland College of Engineering and Architecture
Engineering and Technology Management Program
Website: etm.wsu.edu/certificate-program/six-sigma-quality-management/
Description: A concentration of quality improvement courses can be taken as a part of the engineering management master’s degree, or as a part of the Quality Management Certificate. The certificate provides training in Six Sigma principles relevant to strategic and operational decisions using state-of-the-art knowledge, tools, and skills in improving quality. This certificate is for engineers and non-engineering professionals in technology management holding a bachelor’s degree in engineering, technical, or management areas.
Location(s): Global Campus
Admission and Certificate Requirements: See admission and certificate requirements etm.wsu.edu/certificate-program/
Application Deadline: Fall, July 15 (Jan 10 international); Spring, November 15 (July 1 international); Summer, March 15
Minimum Required Credits: 12 graded; 12 total

Contact Information:
Patricia Elshafei, Graduate Academic Coordinator
509-335-0125
etm@wsu.edu

David Paulus, PhD
david.paulus@wsu.edu

Strategic Communication Certificate
Edward R. Murrow College of Communication
Website: murrow.wsu.edu/academics/murrow-online/grad-cert-stratcomm/
Description: Washington State University’s online Certificate in Strategic Communication is designed for those who want to excel in advertising, public relations, corporate communication, and communication management. The degree will advance and energize your career. Our multidisciplinary approach offers training in new and traditional media, critical for today’s strategic communications; teaches students how to gather and analyze information and use those findings in creating communication campaign; trains students, in the tradition of Edward R. Murrow, to create messages that are both strategic and responsible; includes weekly online instructor office hours, frequent student self-assessment tools, ongoing interaction with other students, and a flexible timeline for completion. The program offers hands-on training in the most advanced platforms, tools, and techniques. You will work closely with industry professionals and faculty to learn audio and video software, graphic design tools, new media, and publication layouts. By the time you are finished, you will have created multimedia materials that are evaluated by peers and produced as portfolio-quality items stored online. This work can be tailored to each individual career, or even your specific job needs.
Location(s): Global Campus
Admission and Certificate Requirements: See admission and certificate requirements at murrow.wsu.edu/academics/murrow-online/grad-cert-stratcomm/
Application Deadline: Fall, August 1; Spring, December 1; Summer, April 15
Minimum Required Credits: 12 graded; 12 total

Contact Information:
Jeremy Watson, Graduate Coordinator
Murrow College of Communication
PO Box 642520
Pullman, WA 99164-2520
509-335-5608
jeremy.b.watson@wsu.edu

Sustainable Agriculture Certificate
College of Agricultural, Human, and Natural Resource Sciences
Department of Crop and Soil Sciences
Website: css.wsu.edu/graduate-studies/graduate-certificate-in-sustainable-agriculture/
Description: The Graduate Certificate in Sustainable Agriculture provides post-baccalaureate students...
with an interdisciplinary understanding of practices and current issues in sustainable agriculture, along with the science that makes it work. Students who earn the Graduate Certificate in Sustainable Agriculture may take these skills into all industries and agencies involved in the food chain, from production, processing, and delivery to policy, regulation, and education.

**Location(s):** Pullman, Global Campus

**Application Deadline:** Fall, January 10; Spring, July 1

**Minimum Required Credits:** 9 graded; 9 total

**Contact Information:**
Johnson Hall Graduate Center
College of Agricultural, Human, and Natural Resource Sciences
Pullman, WA 99164-6420
ask.jhgc@wsu.edu

Lynne Carpenter-Boggs, PhD, Director
Johnson Hall 227
Pullman, WA 99164-6420
509-335-1553
lcboggs@wsu.edu

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**Systems Engineering Management Certificate**

**Voiland College of Engineering and Architecture**

**Engineering and Technology Management Program**

**Website:** etm.wsu.edu/sem/

**Description:** Systems engineering provides a rigorous framework for the design and deployment of complex socio-technical systems across many different domains supporting the collaboration of engineers and scientists in developing, delivering, and sustaining affordable total system solutions to complex global problems. To this end, engineers, scientists, and leaders require a deep understanding of system concepts from stakeholder needs to unintended consequences and sustainability. Designed with engineers, project managers, and leaders in mind, the systems engineering management graduate certificate covers system concepts, system design, system analysis, system risk, and system sustainability. Each course broadens the students systems thinking ability and enables the student to master the creation of key systems engineering artifact for their system of choice, including a Systems Engineering Management Plan (SEMP) aligned with a Project Management Plan (PMP), a risk management plan, and a set of life cycle and system effectiveness analyses that address performance, risk, cost, and sustainability. The curriculum focuses on leadership across the system life cycle. The main takeaway is the cultivation of a systems mindset that enables the student to effectively manage global challenges and lead efforts that bring complex system solutions to life.

**Location(s):** Global Campus

**Admission and Certificate Requirements:** See admission and certificate requirements etm.wsu.edu/certificate-program/

**Application Deadline:** Fall, July 15 (Jan 10 international); Spring, November 15 (July 1 international); Summer, March 15

**Minimum Required Credits:** 12 graded; 12 total

**Contact Information:**
Patricia Elshafei, Graduate Academic Coordinator
509-335-0125
etm@wsu.edu

Alice Squires, PhD
alice.squires@wsu.edu

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**Teaching College Mathematics Certificate**

**College of Arts and Sciences**

**Department of Mathematics and Statistics**

**Website:** math.wsu.edu/graduatesstudies/

**Description:** This certificate program allows students to become familiar with modern theories of learning and research-based pedagogical strategies that are effective for the college mathematics classroom. Students will complete coursework, teach undergraduate courses, be evaluated by experienced faculty, and write a teaching philosophy statement to better prepare them for a career involving post-secondary instruction. Currently available to students enrolled in a Department of Mathematics and Statistics graduate program on any campus. Exceptions can be made on a case-by-case basis.

**Location(s):** Pullman, with participation systemwide

**Admission and Certificate Requirements:** See math.wsu.edu/graduatesstudies/ for information on the Department of Mathematics and Statistics graduate programs. **Contact department for more information regarding specific admission and certificate requirements.**

**Application Deadline:** Fall, March 1; Spring, October 1
Teaching English as Second Language Certificate

College of Arts and Sciences
Department of English
Website: english.wsu.edu/graduate-certificates/
Description: This certificate provides students with a strong understanding of the forms and functions of English, of current theories of second language acquisition, and experience developing and implementing appropriate pedagogical practices for adult learners of English. Students who have completed the certificate will be prepared to teach ESL composition and literature courses, and to improve learning opportunities for second language users in classes of predominantly native-English speaking students. The certificate will also prepare students who wish to teach English overseas secure jobs and provide them with credible documentation of their training.
Location(s): Pullman
Admission and Certificate Requirements: See admission requirements at english.wsu.edu/graduate-certificates/ and Graduate Manual at english.wsu.edu/graduate-studies/current-graduate-manual/
Minimum Required Credits: 15 graded; 15 total

Contact Information:
Nancy Bell
Avery 499
Pullman, WA 99164-5020
509-335-1322
nbell@wsu.edu

Tanya Gonzales
PO Box 645020
Pullman, WA 99164-5020
509-335-7000
509-335-2582
tanya_gonzales@wsu.edu

Teaching English Language Learners Certificate

College of Education
Department of Teaching and Learning
Website: education.wsu.edu/graduate/ell/ellcertificate/
Description: The Graduate Certificate in Teaching English Language Learners allows recipients who do not have a valid U.S. teaching certificate to develop skills and obtain documentation that will help them obtain positions teaching ELLs around the world. The certificate consists of 18 hours of coursework that addresses TESOL and Common Core Standards and focuses on developing knowledge and skills for working with culturally diverse students and communities. The required coursework emphasizes both theoretical and practical issues concerning language policy, second language acquisition, cultivating relationships with diverse communities and households, and the implementation of linguistically appropriate classroom teaching techniques.
Location(s): Pullman
Admission and Certificate Requirements: See admission and certificate requirements at education.wsu.edu/graduate/ell/ellcertificate/
Minimum Required Credits: 18 graded; 18 total

Contact Information:
Joy Egbert
509-335-7277
jegbert@wsu.edu

Water Resources Science and Management Certificate

School of the Environment
Water Research Center
Interdisciplinary Certificate
Website: wrc.wsu.edu/news/wrsm-graduate-certificate-program/
Description: This certificate program will provide students with an interdisciplinary understanding of
the physical, social, and cultural drivers that shape how water is managed within the larger environmental and human landscape. Water is an important resource for maintaining both the health and integrity of our natural and social systems, and therefore must be managed carefully. Threats to freshwater resources come from a diversity of sources, often encompassing not a single issue, but a series of interlinked problems with common themes. Managing for water sustainability in the face of these complex problems requires a broad understanding both the physical water system and the short-and long-term impacts our decisions about water will have on populations, economies, and ecosystems. Our goal is to provide students with the breadth of knowledge required to critically understand these freshwater issues.

**Location(s):** Pullman, Vancouver

**Admission and Certificate Requirements:** See admission and certificate requirements at

**Application Deadline:** Fall, rolling; Spring, rolling

**Minimum Required Credits:** 9 graded; 9 total

**Contact Information:**
Julie Padowski, PhD
Associate Research Professor, State of Washington Water Research Center
509-335-8539
[julie.padowski@wsu.edu](mailto:julie.padowski@wsu.edu)

Matthew Carroll, PhD
School of the Environment
509-335-2235
[carroll@wsu.edu](mailto:carroll@wsu.edu)