



Washington State University Graduate Catalog

2021-2022



Graduate School

WASHINGTON STATE UNIVERSITY

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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Degree Programs by College

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

School of Economic Sciences Graduate Manual at

ses.wsu.edu/helpful-information/

Application Deadline: Fall, January 10

Minimum Required Credits: 39 graded; 20 doctoral research; 72 total (post-baccalaureate)

Contact Information:

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School of Economic Sciences

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Jaimie Dahl, Principal Assistant

School of Economic Sciences

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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. To enable students to become outstanding educators and practitioners in agricultural disciplines, the program will foster the development of excellent communication and teaching skills, as well as a comprehensive understanding of research approaches used to address agricultural issues. Both thesis (research emphasis) and nonthesis (coursework emphasis) tracks are available to students pursuing the M.S. in Agriculture degree. Options for study include Agriculture (general), Agriculture Plant Health Management, and Agriculture Food Science and Management.

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

Contact Information:

Lisa Lujan, Academic Coordinator

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Animal Sciences, PhD

College of Agricultural, Human, and Natural Resource Sciences

Department of Animal Sciences

Website: ansci.wsu.edu/graduate/

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 aquaculture fish for research and teaching purposes and on an as needed basis has access to swine, sheep and equine animals. Thesis track only.

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; 50 thesis research; 72 total

Contact Information:

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Animal Sciences, MS

College of Agricultural, Human, and Natural Resource Sciences

Department of Animal Sciences

Website: ansci.wsu.edu/graduate/

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 aquaculture fish for research and teaching purposes and on an as needed basis has access to swine, sheep and equine animals. 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:

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Apparel, Merchandising, Design and Textiles, MS

College of Agricultural, Human, and Natural Resource Sciences

Department of Apparel, Merchandising, Design and Textiles

Website: amdt.wsu.edu/graduate/

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, Smart Textiles, Consumer Behavior Studies; Creative Scholarship and Design; Global Sourcing, Fashion Marketing, Supply Chain Management, Electronic Commerce, Mobile Commerce, Social Media Commerce, Omnichannel Retailing, Sustainability, Corporate Social Responsibility, Life Cycle Analysis.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at amdt.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:

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Biological and Agricultural Engineering, PhD

College of Agricultural, Human, and Natural Resource Sciences

Department of Biological Systems Engineering

Website: bsyse.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. Faculty are housed at WSU Pullman as well as at the Prosser Research and Extension Center, Puyallup Research Station and Richland, WA at WSU Tri-Cities Campus.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at bsyse.wsu.edu/graduate-program/phd-guidelines/ and *BSE Graduate Program Handbook* at bsyse.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:

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Biological and Agricultural Engineering, MS

College of Agricultural, Human, and Natural Resource Sciences

Department of Biological Systems Engineering

Website: bsyse.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. Faculty are housed at WSU Pullman as well as at the Prosser Research and Extension Center, Puyallup Research Station and Richland, WA at WSU Tri-Cities Campus.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at bsyse.wsu.edu/graduate-program/ms-guidelines/ and *BSE Graduate Program Handbook* at bsyse.wsu.edu/graduate-program/current-students/

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

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

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Crop Science, PhD

College of Agricultural, Human, and Natural Resource Sciences

Department of Crop and Soil Sciences

Website: css.wsu.edu/graduate-studies/

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: 15 graded (500-level); 20 research (Crop Sci 800-level); 72 total

Contact Information:

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College of Agricultural, Human, and Natural
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Crop Science, MS

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

Department of Crop and Soil Sciences

Website: css.wsu.edu/graduate-studies/

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:

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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)

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Economics, MS

College of Agricultural, Human, and Natural Resource Sciences

School of Economic Sciences

Website:

ses.wsu.edu/graduatestudies/msprograms/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 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:

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Entomology, PhD

College of Agricultural, Human, and Natural Resource Sciences

Department of Entomology

Website: entomology.wsu.edu/prospective-students/graduate-program/

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 interactive videoconference. 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

ask.jhgc@wsu.edu

Entomology, MS

College of Agricultural, Human, and Natural Resource Sciences

Department of Entomology

Website: entomology.wsu.edu/prospective-students/graduate-program/

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 interactive videoconference. 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), *nonthesis* (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 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 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 MS. 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

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soe@wsu.edu

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

Food Science, PhD

College of Agricultural, Human, and Natural Resource Sciences

School of Food Science

Website: sfs.wsu.edu/prospective-graduate-program/

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, MS

College of Agricultural, Human, and Natural Resource Sciences

School of Food Science

Website: sfs.wsu.edu/prospective-graduate-program/

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

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, 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 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/graduate/

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: 23 graded (15 min 500-level); 20 research (HORT 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

Horticulture, MS

College of Agricultural, Human, and Natural Resource Sciences

Department of Horticulture

Website: horticulture.wsu.edu/graduate/

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

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

Natural Resource Sciences, MS

College of Arts and Sciences

College of Agricultural, Human, and Natural Resource Sciences

School of the Environment

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 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

Application Deadline: Not recruiting for 2021-22. Degree anticipating closure. Contact program for more information regarding degrees.

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

Contact Information:

Janice Raykovich

509-335-8538

janice.raykovich@wsu.edu

soe@wsu.edu

Plant Pathology, PhD

College of Agricultural, Human, and Natural Resource Sciences

Department of Plant Pathology

Website: plantpath.wsu.edu/prospective-students/

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/ and *Department Student Handbook* at 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

Plant Pathology, MS

College of Agricultural, Human, and Natural Resource Sciences

Department of Plant Pathology

Website: plantpath.wsu.edu/prospective-students/

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/ and *Department Student Handbook* at 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

Prevention Science, PhD

College of Agricultural, Human, and Natural Resource Sciences

Department of Human Development

Website: hd.wsu.edu/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 child care 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/ and *Graduate Student Handbook* at 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. in 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/graduate-studies/

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.jhgc@wsu.edu

Soil Science, MS

College of Agricultural, Human, and Natural Resource Sciences

Department of Crop and Soil Sciences

Website: css.wsu.edu/graduate-studies/

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: *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
bloodswo@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. Program administered through Pullman; students may be based in Pullman, Vancouver, or Tri-Cities.

Location(s): Pullman, Vancouver

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

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. Program administered through Pullman and Tri-Cities; students may be based in Pullman, Vancouver, or Tri-Cities.

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/

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/ and

Chemistry Graduate Handbook at 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
509-335-2942
509-335-8867
lbruce@wsu.edu

Chemistry, MS

College of Arts and Sciences

Department of Chemistry

Website: 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/ and *Chemistry Graduate Handbook* at chem.wsu.edu/grad-handbooks/

Application Deadline: Not accepting applications at the Pullman campus. Tri-Cities by pre-approval only.

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
509-335-2942
509-335-8867
lbruce@wsu.edu

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/

Description: The mission of the Criminal Justice and Criminology Ph.D. program is a preferred academic hub for students, stakeholders, and the community to come together to address pressing questions about crime and criminal justice. We promote justice, equity, and community well-being by engaging stakeholders in policy relevant research that enhances justice at the local, state, and national levels, and by providing students with skills and opportunities that will prepare them to work effectively in their careers as practitioners and researchers. Upon completion and onward 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-studies/admissions-application-information/ and *Graduate Handbook* at crmj.wsu.edu/graduate-studies/graduate-handbook-and-student-resources/

Application Deadline: Fall, January 10

Minimum Required Credits: 39 graded; CRMJ 800 (33cr); 72 total

Contact Information:

Maria Orozco, Graduate Coordinator
Criminal Justice and Criminology
PO Box 644011
Pullman, WA 99164-4011
509-335-8611
criminaljustice@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/

Description: The mission of the Criminal Justice and Criminology M.A. program is a preferred academic hub for students, stakeholders, and the community to come together to address pressing questions about crime and criminal justice. We promote justice, equity, and community well-being by engaging stakeholders in policy relevant research that enhances justice at the local, state, and national levels, and by providing students with skills and opportunities that will prepare them to work effectively in their careers as practitioners and researchers. The MA 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-studies/admissions-application-information/ and *Graduate Handbook* at crmj.wsu.edu/graduate-studies/graduate-handbook-and-student-resources/

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

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

Contact Information:

Maria Orozco, Graduate Coordinator
Criminal Justice and Criminology
PO Box 644011
Pullman, WA 99164-4011
509-335-8611
criminaljustice@wsu.edu

English, PhD

College of Arts and Sciences

Department of English

Website: english.wsu.edu/graduate-studies/

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-studies/applying-for-admission/ and *Graduate Manual* at english.wsu.edu/graduate-studies/current-graduate-manual/

Application Deadline: Fall, January 10

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

Contact Information:

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

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 and rhetoric. 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 Agriculture, 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 MS. 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/.

[studies/admission-process/](http://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 three-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 considering contemporary art practices. Graduates meet with faculty for one-on-one studio discussions. First year students have a progress review at the end of their first semester and an exhibition in the departmental gallery at the end of their first year. At the end of the second year, they will meet with their thesis committee prior to the end of spring term. In the third year, the program culminates in a thesis exhibition held in the Jordan Schnitzer 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: 53 graded; FA 700 (8cr); 61 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. 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

History, PhD

College of Arts and Sciences
Department of History

Website: history.wsu.edu/graduate-studies/

Description: Students entering the PhD 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.

Location(s): Pullman

Admission and Degree Requirements: See admission

requirements at history.wsu.edu/graduate-studies/admissions/ and *History Graduate Student Handbook* at history.wsu.edu/graduate-studies/

Application Deadline: Fall, January 10

Minimum Required Credits: 36 graded; HIST 800 (36cr); 72 total

Contact Information:

Claudia Mickas, Recruitment and Graduate Program Coordinator

Wilson Short Hall 301

Pullman, WA 99164

509-335-5139

claudia.mickas@wsu.edu

History, MA

College of Arts and Sciences

Department of History

Website: history.wsu.edu/graduate-studies/

Description: The History Department offers programs of study for full time and part-time students leading to a Master of Arts (MA) degree. Students entering the MA program in History are expected to show promise of doing excellent work at the graduate level. All MA 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. 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 MA students. Thesis and nonthesis option.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at history.wsu.edu/graduate-studies/admissions/ and *History Graduate Student Handbook* at 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:

Claudia Mickas, Recruitment and Graduate Program Coordinator

Wilson Short Hall 301

Pullman, WA 99164

509-335-5139

claudia.mickas@wsu.edu

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: 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/prospective-students/ 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

College of Arts and Sciences

Voiland College of Engineering and Architecture

School of Mechanical and Materials Engineering

Website: mme.wsu.edu/graduate/

Description: Our School participates in the interdisciplinary degree programs of MS in Engineering, PhD in Engineering Science, and PhD 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 MS 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 (1cr), MSE 700 (4cr), 30 total); *nonthesis* (27 graded, MSE 701 (4cr), 31 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

Mathematics, PhD

College of Arts and Sciences

Department of Mathematics and Statistics

Website: math.wsu.edu/graduatestudies/

Description: This degree is awarded in recognition of distinctive scholarship and original contributions to knowledge in Mathematics. The PhD 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 PhD 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 PhD 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/

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

Mathematics, MS

College of Arts and Sciences

Department of Mathematics and Statistics

Website: math.wsu.edu/graduatestudies/

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/

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

Minimum Required Credits: 26 graded; MATH 702 (4cr); 32 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

Music, MA

College of Arts and Sciences

School of Music

Website: [music.wsu.edu/graduate-studies/
online.wsu.edu/online-degrees/music-ma/](https://music.wsu.edu/graduate-studies/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; and 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.

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

Admission and Degree Requirements: See admission requirements and *School of Music Policies and Procedures* at 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:

Keri E. McCarthy, DM, Graduate Program
Coordinator
School of Music
PO Box 645300
Kimbrough, Room 260
Pullman, WA 99164-5300
kmccarthy@wsu.edu

Natural Resource Sciences, MS

College of Arts and Sciences

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

School of the Environment

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 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

Application Deadline: Not recruiting for 2021-22. Degree anticipating closure. Contact program for more information regarding degrees.

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/students/graduate/

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: 36 graded; 20 research; 72 total

Contact Information:

Robin Stratton, Administrative Manager
Physics and Astronomy
PO BOX 642814
Pullman, WA 99164-2814
509-335-1698
physics@wsu.edu

Physics, MS

College of Arts and Sciences

Department of Physics and Astronomy

Website: physics.wsu.edu/students/graduate/

Description: The Department of Physics and Astronomy master's 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. Thesis and nonthesis option.

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. Program administered through Pullman; students may be based in Pullman, Vancouver, or Tri-Cities.

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. Program administered through Pullman; students may be based in Pullman, Vancouver, or Tri-Cities.

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: *thesis* (21 graded, 30 total)

Contact Information:

Audrey Van Nuland
Abelson 301D

Washington State University
Pullman, WA
509-335-2300
aud.vannuland@wsu.edu

Political Science, PhD

College of Arts and Sciences

School of Politics, Philosophy, and Public Affairs

Website: pppa.wsu.edu/phd-in-political-science/

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, and gender and politics.

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

Michael Salamone, Associate Professor and Director of Graduate Studies
PO Box 644880
Johnson Tower 812
Pullman, WA 99164-4880
509-335-7569
michael.salamone@wsu.edu

Political Science, MA

College of Arts and Sciences

School of Politics, Philosophy, and Public Affairs

Website: pppa.wsu.edu/graduate-studies/

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

Michael Salamone, Associate Professor and Director of Graduate Studies
PO Box 644880
Johnson Tower 812
Pullman, WA 99164-4880
509-335-7569
michael.salamone@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, typically in the 6th year. 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 training during the four to five years that students are at the University, which emphasizes clinical science. Areas of interest within the Clinical Psychology Program include: Clinical Health and Primary Care Psychology, Neuropsychology, Adult Psychopathology, Developmental Clinical and Child/Adolescent Clinical 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
Pullman, WA 99164-4820
psych.grad.adm@wsu.edu

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/

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
Pullman, WA 99164-4820
psych.grad.adm@wsu.edu

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.

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/graduatestudies/

Description: The PhD 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/graduatestudies/

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/graduatestudies/

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/

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

Minimum Required Credits: 26 graded; STAT 702 (4cr); 33 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

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: We are currently not accepting application for 2022-2023. Please contact the Accounting Department.

Application Deadline: *Not accepting applications for 2022-23 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/

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/ and degree requirements at business.wsu.edu/graduate-programs/phd-business/accounting/

Application Deadline: Fall, January 10

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

Contact Information:

Beau Barnes, PhD Coordinator

Todd Hall 242

PO Box 644729

Pullman, WA 99164-4729

509-335-8541

gpbuadmin@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
gpbadmin@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 PhD 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: 36 graded; 4 non-graded; 32 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 PhD 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 PhD 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:

Leah Sheppard, Associate Professor, PhD Coordinator
Department of Management, Information Systems, and Entrepreneurship
Todd 437D
Pullman, WA 99164
509-335-7112
leah.sheppard@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/. Contact department for degree requirements.

Application Deadline: Fall, January 10

Minimum Required Credits: 36 graded credits plus 4 additional credits (which can be pass/fail or graded), 32 research; 72 total

Contact Information:

Elizabeth Howlett, PhD

Department of Marketing and International Business
509-335-4752

betsy.howlett@wsu.edu

Jeff Joireman, PhD

joireman@wsu.edu

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/

Description: The program in Operations and Management Science prepares students for careers in research, teaching, and industry using expertise garnered in applied problem solving and data analysis. Students receive rigorous fundamental training in operations research, mathematics, statistics, economics, and research methods, 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

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/management-operations/

Application Deadline: Fall, January 10

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

Contact Information:

Yixuan Xiao, PhD, PhD Coordinator

Department of Finance and Management Science

Todd Hall 469

Pullman, WA 99164-4746

509-335-8238

yixuan.xiao@wsu.edu

Business Administration, MS

Carson College of Business

Departments of Accounting; Finance and Management Science; Marketing and International Business; Management, Information Systems and Entrepreneurship; and the School of Hospitality Business Management

Note: The M.S. in Business Administration is only available to students in the Ph.D. programs.

Business Administration, MBA

Carson College of Business

Professional degree

Website: onlinemba.wsu.edu/

Description: Earn your Online MBA 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 MBA 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/. Contact department for degree requirements.

Application Deadline: Fall 2021 (July 26, September 6, October 11); Spring 2022 (December 10, January 19, February 21); Summer 2022 (April 6, May 9, June 13)

Minimum Required Credits: 36-52 total

Contact Information:

Online MBA Admissions

onlinemba.wsu.edu/ for live chat with advisor

877-348-8154

admissions@wsumba.com

Business Administration (Executive), MBA

Carson College of Business

Professional degree

Website: onlinemba.wsu.edu/

Description: Earn your Executive MBA Online from the WSU Carson College of Business and develop executive-level strategic expertise. The EMBA 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 2021 (July 26); Spring 2022 (December 10); Summer 2022 (April 6)

Minimum Required Credits: 42 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

Edward R. Murrow College of Communication

Website: murrow.wsu.edu/academics/graduate-degrees/graduate-programs/

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/future-murrow-cougs/prospective-students-2/graduate/residential/prospective-students-phd/ and *Graduate Handbook (PhD)* at murrow.wsu.edu/academics/graduate-degrees/residential-doctorate-programs/graduate-handbook-phd/

[degrees/residential-doctorate-programs/graduate-handbook-phd/](https://murrow.wsu.edu/academics/graduate-degrees/residential-doctorate-programs/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

Edward R. Murrow College of Communication

Website: murrow.wsu.edu/academics/graduate-degrees/graduate-programs/

Description: The MA in Communication provides world class curriculum, faculty, and facilities to prepare students as scholars wanting to progress to a PhD, educators or those who want to go into the professional world. In our MA 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/future-murrow-cougs/prospective-students-2/graduate/residential/prospective-students/ and *Graduate Handbook (MA)* at murrow.wsu.edu/academics/graduate-degrees/residential-masters-programs/graduate-handbook-ma/

Application Deadline: Fall, November 1 (priority), December 1 (final)

Minimum Required Credits: 27 graded; 40 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: murrow.wsu.edu/academics/murrow-online/

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) Furthers 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/ma-comhlth/

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

Minimum Required Credits: 27 graded 3 capstone; 30 total

Contact Information:

Megan Starr-Gepford, Assistant Director Murrow Academic Advising
Murrow College of Communication
PO Box 642520
Pullman, WA 99164-2520
communication@wsu.edu

Strategic Communications, MA

Edward R. Murrow College of Communication

Website: murrow.wsu.edu/academics/murrow-online/

Description: Washington State University's online MA 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 and degree requirements at murrow.wsu.edu/academics/murrow-online/ma-stratcomm/

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

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

Contact Information:

Megan Starr-Gepford, Assistant Director Murrow Academic Advising
Murrow College of Communication
PO Box 642520
Pullman, WA 99164-2520
509-335-5608
communication@wsu.edu

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. The MAT degree is a comprehensive 5-year program in conjunction with the B.S. in Sport Medicine, and all 5 years must be completed at WSU.

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 MAT in the final semester of their B.S. degree.

Licensure: MAT 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: 34 graded; CSSTE 800 (20cr); 72 total

Contact Information:

Washington State University – Pullman

Office of Graduate Education

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, MA

College of Education

Department of Teaching and Learning

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

Description: The Master of Arts (MA) degree is designed for students who desire to study and explore educational research. The MA 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:

Washington State University – Pullman

Office of Graduate Education

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:

Washington State University – Pullman

Office of Graduate Education

College of Education

Cleveland Hall 70

PO Box 642114

Pullman, WA 99164-2114

509-335-9195

509-335-7016

gradstudies@wsu.edu

Washington State University – Spokane

College of Education

Please contact gradstudies@wsu.edu

Washington State University – Tri-Cities

College of Education

Please contact gradstudies@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: 34 graded; EDAD 800 (24cr); 72 total

Contact Information:

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

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 2½ 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.*

Washington State University – Vancouver
College of Education
Jennifer Gallagher, Academic Coordinator
14204 NE Salmon Creek Ave.
Undergraduate Building (VUB) 308

Vancouver, WA 98686
360-546-9075
j.gallagher@wsu.edu

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/ and *Ed Leadership Master's Degree Handbook* at 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:

Washington State University – Pullman
Office of Graduate Education
College of Education
Cleveland Hall 70
PO Box 642114
Pullman, WA 99164-2114
509-335-9195
509-335-7016
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/ and *Ed Leadership Master's Degree Handbook* at 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:

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Washington State University - Spokane
College of Education
Please contact Jennifer Gallagher at j.gallagher@wsu.edu

Washington State University – Tri-Cities
College of Education
Please contact Jennifer Gallagher at j.gallagher@wsu.edu

Washington State University – Vancouver
College of Education
Jennifer Gallagher, Academic Coordinator
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Vancouver, WA 98686
360-546-9075
j.gallagher@wsu.edu

Educational Psychology, PhD

College of Education

Department of Kinesiology and Educational Psychology

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

Description: Educational Psychology is the study of how humans learn and retain knowledge, primarily in educational settings like classrooms. This includes emotional, social, and cognitive learning processes.

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. Graduates in educational psychology can expect employment in private firms, school districts, universities, business, industry, or state agencies. For example, graduates work for: test companies as researchers, university as professors and researchers, and assessment offices across the United States.

Location(s): Pullman

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

Application Deadline: Fall, December 1

Minimum Required Credits: 34 graded; EDPSYCH 800 (22cr); 72 total

Contact Information:

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Educational Psychology, MA

College of Education

Department of Kinesiology and Educational Psychology

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

Description: Educational Psychology is the study of how humans learn and retain knowledge, primarily in educational settings like classrooms. This includes emotional, social, and cognitive learning processes. The Master of Arts (M.A.) 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 in educational psychology can expect employment in private firms, school districts, universities, business, industry, or state agencies. For example, graduates work for: test companies as researchers, university as professors and researchers, and assessment offices across the United States.

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at education.wsu.edu/students/apply/ and *M.A. Educational Psychology Handbook* at 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:

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Kinesiology, MS

College of Education

Department of Kinesiology and Educational Psychology

Website:

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; Spring, January 10

Minimum Required Credits: 25-31 graded; KINES 700 (*thesis*, 9cr) or KINES 702 (*nonthesis*, 3cr); 34 total

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gradstudies@wsu.edu

Language, Literacy and Technology, PhD

College of Education

Department of Teaching and Learning

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

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/llt/overview/

Application Deadline: Fall, December 1

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

Contact Information:

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Language, Literacy, and Technology, MA

College of Education

Department of Teaching and Learning

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

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/llt/language-literacy-technology-llt-masters-program-overview/

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

Minimum Required Credits: 30 graded; TCH LRN 700 (4cr); 34 total

Contact Information:

Washington State University – Pullman

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Language, Literacy, and Technology, EdM

College of Education

Department of Teaching and Learning

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

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/llt/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:

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Washington State University – Spokane

College of Education

Please contact gradstudies@wsu.edu

Washington State University – Tri-Cities

College of Education

Please contact gradstudies@wsu.edu

Mathematics and Science Education, PhD

College of Education

Department of Teaching and Learning

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

Description: The Ph.D. in Mathematics and Science Education is designed to develop scholars and educators capable of making important contributions to the research base, professional context, and learning environments related to mathematics, science, and STEM 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:

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College of Education
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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 program emphasizes the generation, application, and translation of research that will enhance the field and improve the lives of those with disabilities. 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. Graduates are prepared for academic and leadership positions in teaching, research, and service with a focus on equity and social justice for persons with disabilities.

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: 34 graded; SPEC ED 800 (20cr); 72 total

Contact Information:

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gradstudies@wsu.edu

Special Education, MA

College of Education

Department of Teaching and Learning

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

Description: The M.A. in Special Education graduate program emphasizes the generation, application, and translation of research that will enhance the field and improve the lives of those with disabilities requires a thesis. The Master of Arts (M.A.) degree is designed for students who desire to study and explore educational research and is well suited for those students wishing to eventually pursue a doctoral degree or a research/leadership role in schools or organizations/agencies.

Location(s): Pullman

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

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

Minimum Required Credits: 21 graded; Spec Ed 700 (9 cr); 30 total

Contact Information:

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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/ and *Special Education Master's Handbook* at education.wsu.edu/graduate/specialed/

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

Minimum Required Credits: 33 graded; Spec Ed 702 (2 cr); 35-37 total

Contact Information:

Washington State University – Pullman
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gradstudies@wsu.edu

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: 30 graded; SPMGT 700/702 (4cr); 34 total

Contact Information:

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gradstudies@wsu.edu

Teaching, Elementary, MIT

College of Education

Department of Teaching and Learning

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

Description: The MIT 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 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, 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 MIT 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:

Washington State University – Pullman
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Washington State University – Spokane
College of Education
Please contact gradstudies@wsu.edu

Washington State University – Tri-Cities
College of Education
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Washington State University – Vancouver
College of Education
Dan Overbay, Academic Coordinator
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Teaching, Secondary, MIT

College of Education

Department of Teaching and Learning

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

Description: The MIT 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 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, 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 MIT 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 15 (Tri-Cities); Spring, September 15 (Vancouver)

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); 48-52 total

Contact Information:

Washington State University – Pullman
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Washington State University – Spokane
College of Education
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Washington State University – Tri-Cities
College of Education
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Washington State University – Vancouver
College of Education
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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

Admission and Degree Requirements: See admission and degree requirements at sdc.wsu.edu/architectural-studies/master-of-architecture/

Application Deadline: Fall, January 10 (priority)

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
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Pullman, WA 99164-2220
509-335-5318
jlrice@wsu.edu

Chemical Engineering, PhD

*Voiland College of Engineering and Architecture
The Gene and Linda Voiland School of Chemical Engineering and Bioengineering*

Website: voiland.wsu.edu/graduate/

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 and 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/graduate/

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
Voiland School of Chemical Engineering and Bioengineering
Washington State University
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509-335-4001
samantha.bailey@wsu.edu

Civil Engineering, PhD

*Voiland College of Engineering and Architecture
Department of Civil and Environmental Engineering*

Website: ce.wsu.edu/graduate/

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 the area of emphasis. In addition, courses may be selected from several 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
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Tammy Bowen
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Civil Engineering, MS

*Voiland College of Engineering and Architecture
Department of Civil and Environmental Engineering*

Website: ce.wsu.edu/graduate/

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 the area of emphasis. In addition, courses may be selected from several 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
Sloan 26
Pullman, WA 99164
509-335-4602
haifang_wen@wsu.edu

Tammy Bowen
Washington State University
Sloan 108
Pullman, WA 99164
509-335-4547

509-335-7632

tammyb@wsu.edu

Civil Engineering, ME

*Voiland College of Engineering and Architecture
Department of Civil and Environmental Engineering*

Website: ce.wsu.edu/graduate/

Description: The M.E. in Civil Engineering is a new degree program beginning Fall 2021. *Contact department for degree description.*

Location(s): Global

Admission and Degree Requirements: *Contact the department for admission and degree requirements.*

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

Minimum Required Credits: 30 graded

Contact Information:

Haifang Wen, PhD, Graduate Studies Committee Chair
Department of Civil and Environmental Engineering
Washington State University
Sloan 26
Pullman, WA 99164
509-335-4602
haifang_wen@wsu.edu

Tammy Bowen
Washington State University
Sloan 108
Pullman, WA 99164
509-335-4547
509-335-7632
tammyb@wsu.edu

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 (30cr); 72 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

*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 PhD 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/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: 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/

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 PhD granting EE programs in the U.S. Thesis and nonthesis option.

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: *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/

[program/admission/](http://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: *thesis* (21 graded, EE 700 (9cr), 30 total); *nonthesis* (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 Engineering, MS (Vancouver)

*Voiland College of Engineering and Architecture
School of Electrical Engineering and Computer Science*

Website: ecs.vancouver.wsu.edu/electrical-engineering-ms

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 1

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 PSM 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 engineering technical education is an engineering professional skills aspect that allows students to select one course from each of the following three categories: a) Managing organizations and projects; b) Managing uncertainty, risk, and finance; and c) Communications, legal, and system engineering management. The PSM culminates in an industry-based internship project. The goal of the PSM 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/professional-science-masters-in-electrical-power-engineering/admission-requirements-and-deadlines/ and degree requirements at [\[masters-in-electrical-power-engineering/program-requirements/\]\(https://masters-in-electrical-power-engineering/program-requirements/\)](https://esic.wsu.edu/professional-science-</p></div><div data-bbox=)

Application Deadline: Fall, July 1; Spring, November 1

Minimum Required Credits: 27 graded; 30 total

Contact Information:

Patrick 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; PharmD 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/Advisor
Engineering and Technology Management
Washington State University
Carpenter Hall 533
PO Box 642780
Pullman, WA 99164-2780
509-335-0125
etm@wsu.edu

Engineering Science, PhD

*Voiland College of Engineering and Architecture
Interdisciplinary Degree*

Website: ycea.wsu.edu/interdisciplinary-graduate-studies-2/

Description: This is an interdisciplinary program 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 this degree 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. These students often work in one of our interdisciplinary centers such as: Bioengineering Research Center (BRC), Center for Environmental Education and Outreach (CEREO), Center for Materials Research (CMR), Laboratory for Atmospheric Research (LAR), Composite Materials and Engineering Center (CMEC).

Location(s): Pullman

Admission and Degree Requirements: See admission requirements at ycea.wsu.edu/interdisciplinary-graduate-studies-2/. Contact coordinator for degree requirements.

Application Deadline: Fall, January 10; Spring, July 1
Minimum Required Credits: 15 graded (9cr minimum in Engineering); 72 total

Contact Information:

Christopher Gass, Coordinator
Voiland College of Engineering and Architecture
Pullman, WA 99164
509-335-8730
chrisgass@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/

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 the area of emphasis. In addition, courses may be selected from several 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/ and *Graduate Student Handbook* at 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
Sloan 26
Pullman, WA 99164
509-335-4602
haifang_wen@wsu.edu

Tammy Bowen
Washington State University
Sloan 108
Pullman, WA 99164
509-335-4547
509-335-7632
tammyb@wsu.edu

Interior Design, MA

*Voiland College of Engineering and Architecture
School of Design and Construction*

Website: 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 requirements at sdc.wsu.edu/interior-design/master-of-arts/m-a-interior-design-admission-procedures/ and degree requirements at 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

Landscape Architecture, MS

Voiland College of Engineering and Architecture

Note: This program is inactive.

Materials Science and Engineering, PhD

Voiland College of Engineering and Architecture

College of Arts and Sciences

School of Mechanical and Materials Engineering

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 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/graduate/

Description: Our School participates in the interdisciplinary degree programs of MS in Engineering, PhD in Engineering Science, and PhD 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 MS 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 (1cr), MSE 700 (4cr), 30 total); *nonthesis* (27 graded, MSE 701 (4cr), 31 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, PhD

Voiland College of Engineering and Architecture

School of Mechanical and Materials Engineering

Website: mme.wsu.edu/graduate/

Description: Programs of study are individualized with an interdisciplinary focus. Financial aid in the form of an assistantship is available for dedicated, quality full time PhD students.

Location(s): Pullman

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: 24 graded; ME 800 (20cr); 72 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/graduate/tricities.wsu.edu/engineering/graduate/

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 598 (1cr), ME 700 (4cr), 30 total); *nonthesis* (27 graded, ME 701 (4cr), 31 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

Joseph Iannelli, PhD, FHEA
PO Box 642250
Pullman, WA 99164-2250
509-372-7420
joseph.iannelli@wsu.edu

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.

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/software-engineering-online-ms/

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, July 21; Spring, November 16

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 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

Molecular Plant Sciences, PhD

Graduate School

Website: mps.wsu.edu/academics/

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, Horticulture, Plant Pathology, Entomology, Chemistry, the Schools of Electrical Engineering and Computer Science, Molecular Biosciences, 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/ and *MPS Grad Student Handbook* at

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

Molecular Plant Sciences, MS

Graduate School

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

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/

Description: The nonthesis Master of Science Coordinated Program in Dietetics, Nutrition, and Exercise Physiology (MS 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 MS 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/ and *MS CPD Student Handbook* at

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.*

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

Health Policy Administration, MS

Elson S. Floyd College of Medicine

Note: This program is inactive.

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 MD 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/requirements/ and degree requirements under the section “VII. Graduation” within the Medical Student Promotion, Dismissal, and Graduation Policy at s3.wp.wsu.edu/uploads/sites/1506/2020/03/Student-Promotion-Dismissal-and-Graduation-Policy_Rev03.11.20_1.pdf

Licensure: MD 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 department for more information.

Contact Information:

Office of Admissions and Student Affairs
509-358-7518
medicine.admissions@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 PhD 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 MS 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 PhD 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.

Location(s): Spokane

Admission and Degree Requirements: See admission and degree requirements at medicine.wsu.edu/ms-in-nutrition-and-exercise-physiology-thesis-admissions/

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

Speech and Hearing Sciences, MS

Elson S. Floyd College of Medicine
Department of Speech and Hearing Sciences
Medical Sciences

Website: medicine.wsu.edu/speech-hearing-sciences-degree-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 diagnostic 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 and the region. Thesis and 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 are student-centered, research-based, and writing intensive.

Location(s): Spokane

Admission and Degree Requirements: See admission requirements at

gradschool.wsu.edu/degrees/factsheet/master-of-science-in-speech-and-hearing-sciences/ and degree requirements at medicine.wsu.edu/speech-hearing-sciences-degree-program/academic-programs/master-of-science/curriculum/

Application Deadline: Fall, January 10

Licensure: *WSU Students graduating with a Master of Science in Speech and Hearing Sciences/ Speech-Language Pathology are eligible for licensure and public-school credentialing in all 50 states. Contact the department to set up your pathway to licensure.*

Minimum Required Credits: 45 graded; 72 total

Contact Information:

Courtney Fricano
PO Box 1495
HSB 125X

Spokane, WA 99210
509-358-7602
509-358-7600
courtney.fricano@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/phd#Admission

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); 72 total

Contact Information:

Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 E. Spokane Falls Blvd
Spokane, WA 99202
509-324-7334
509-324-7250 (fax)
tamara.kelley@wsu.edu

Gail Oneal, PhD, Program Director
WSU Health Sciences Spokane, College of Nursing
SNRS 161, 412 E. Spokane Falls Blvd
Spokane, WA 99202
goneal@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, March 15; Spring, November 1

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:

Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 E. Spokane Falls Blvd
Spokane, WA 99202
509-324-7334
509-324-7250 (fax)
tamara.kelley@wsu.edu

Until August 14, 2021

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

Beginning August 15, 2021

Catherine Van Son, Interim Program Director
WSU Vancouver, College of Nursing
VLib 210M
14204 NE Salmon Creek Avenue, Vancouver, WA
98686
vansonc@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/dnp#Admission

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:

Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 E. Spokane Falls Blvd
Spokane, WA 99202
509-324-7334
509-324-7250 (fax)
tamara.kelley@wsu.edu

Beginning July 1, 2021

Sarah Fincham, DNP, Interim DNP Program Director
WSU Health Sciences Spokane, College of Nursing
SNRS 426D, 412 E. Spokane Falls Blvd.
Spokane, WA 99202
sarah.fincham@wsu.edu

Nursing (Population Health), DNP

College of Nursing

Website: nursing.wsu.edu/academics/dnp-population-health/

Description: 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)

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

Admission and Degree Requirements: See admission and degree requirements at

nursing.wsu.edu/dnp#Admission

Application Deadline: Fall, 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: 66-72 graded; 71-73 total

Contact Information:

Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 E. Spokane Falls Blvd
Spokane, WA 99202
509-324-7334
509-324-7250 (fax)
tamara.kelley@wsu.edu

Beginning July 1, 2021

Sarah Fincham, DNP, Interim DNP Program Director
WSU Health Sciences Spokane, College of Nursing
SNRS 426D, 412 E. Spokane Falls Blvd.
Spokane, WA 99202
sarah.fincham@wsu.edu

Nursing (Psychiatric/Mental Health Nurse Practitioner), DNP

College of Nursing

Website: nursing.wsu.edu/academics/dnp-psychiatric-mental-health-nurse-practitioner/

Description: 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.

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:

Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 E. Spokane Falls Blvd
Spokane, WA 99202
509-324-7334
509-324-7250 (Fax)
tamara.kelley@wsu.edu

Beginning July 1, 2021

Sarah Fincham, DNP, Interim DNP Program Director
WSU Health Sciences Spokane, College of Nursing
SNRS 426D, 412 E. Spokane Falls Blvd.
Spokane, WA 99202
sarah.fincham@wsu.edu

College of Pharmacy and Pharmaceutical Sciences

Pharmaceutical Sciences, PharmD

College of Pharmacy and Pharmaceutical Sciences
Professional Degree

Website: pharmacy.wsu.edu/doctor-of-pharmacy/

Description: The WSU College of Pharmacy and Pharmaceutical Sciences (CPPS) is based in Spokane, Washington on the WSU Health Sciences campus. In

2015, the college also established a Doctor of Pharmacy extension in Yakima, Washington, located on the Pacific Northwest University campus. The college was founded in 1891 and is noted for its 4-year Doctor of Pharmacy program and research in drug discovery, cancer biology, neuroscience, pharmacogenomics, drug delivery and nanotechnology, and dietary supplements. Along with a Doctor of Pharmacy program, and PhD degree in Pharmaceutical Sciences and Molecular Medicine, the college offers several dual degree programs and certificates in business administration, engineering and technology management, as well as communications. The college also oversees the United States Transuranium Registries, which studies the biokinetics, dosimetry and biological effects of radiation in humans. In addition, the college operates the Drug Information Center which serves health care providers including pharmacists, doctors and nurses in Washington state. The college has over 150 faculty and staff, and 600 students. Graduates go on to work in government, research, hospitals, community pharmacies, and academia. To learn more, visit pharmacy.wsu.edu/.

Location(s): Spokane, Yakima (extension)

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: October 1, 2021 (priority deadline); January 4, 2022 (regular deadline)

Minimum Required Credits: 135 graded; 135 total

Contact Information:

Student Services Office

509-368-6605

pharmacy.admissions@wsu.edu

Pharmaceutical Sciences and Molecular Medicine, PhD

College of Pharmacy and Pharmaceutical Sciences

Website: pharmacy.wsu.edu/ph-d-in-pharmaceutical-sciences/

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/ph-d-in-pharmaceutical-sciences/pre-admission-requirements/ and *Student Handbook* at pharmacy.wsu.edu/ph-d-in-pharmaceutical-sciences/current-student-resources/

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

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.

College of Veterinary Medicine

Molecular Biosciences, PhD

College of Veterinary Medicine

School of Molecular Biosciences

Website: molecular.biosciences.wsu.edu/academic-training/graduate-studies

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 cell biology, genetics, molecular reproduction and regeneration, functional genomics, microbiology, virology, molecular biology and education research in biology and biochemistry.

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/academic-training/graduate-studies

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, cell biology, genetics, molecular reproduction and regeneration, functional genomics, microbiology, virology, molecular biology and education research in biology and biochemistry.

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; 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))

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 PhD 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 requirements at vmp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/application.

Contact department for degree requirements.

Application Deadline: Fall, December 1

Minimum Required Credits: 15-21 graded; 72 total

Contact Information:

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

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 thesis research.

Location(s): Pullman

Admission and Degree Requirements: See admission and degree requirements at

ipn.vetmed.wsu.edu/neuroscience/graduate

Application Deadline: Fall, December 1

Minimum Required Credits: 21 graded; 30 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: September 15th for following Fall enrollment

Minimum Required Credits: *Contact coordinator for credit requirements.*

Contact Information:

Caitlin Estalilla, Academic Coordinator
College of Veterinary Medicine
Washington State University
509-335-1531
caitlin.estalilla@wsu.edu

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 and 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 and degree requirements at

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

Veterinary Science (Clinical and Translational Sciences), MS

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 MS 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 and prepare students to be effective clinical scientists with an understanding of the research process and develop abilities to evaluate the clinical scientific literature. 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. This graduate degree program may be combined with advanced clinical training and requires admission to both programs.

Location(s): Pullman

Admission and Degree Requirements: See admission and degree requirements at

vcs.vetmed.wsu.edu/graduate-studies

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

Minimum Required Credits: *thesis* (21 graded, 4 research, 30 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

Veterinary Science (Combined Anatomic Pathology Residency), PhD

College of Veterinary Medicine

Department of Veterinary Microbiology and Pathology

Website: ymp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/pathology

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/), 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.

Contact department for degree requirements.

Application Deadline: Fall, rolling; Spring, rolling

Minimum Required Credits: 16 graded; 72 total

Contact Information:

Josh Ramsay

GAH2 368

Pullman, WA 99164-7034

509-335-3725

509-335-8529

jdr105@wsu.edu

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

Description: The program's research and training programs are focused on 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/), 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.

Contact department for degree requirements.

Application Deadline: Fall, rolling; Spring, rolling

Minimum Required Credits: 16 graded; 72 total

Contact Information:

Claire Burbick

GAH2 276

Pullman, WA 99164-7034

509-335-6044

509-335-8529

claire.burbick@wsu.edu

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

College of Veterinary Medicine

Department of Veterinary Microbiology and Pathology

Website: graduate.vetmed.wsu.edu/participating-programs/iid/overview-of-the-iid-program

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. *Contact department for degree requirements.*

Application Deadline: Fall, December 15 (priority); Fall, rolling; Spring, rolling

Minimum Required Credits: 16 graded; 72 total

Contact Information:

Sue Zumwalt
402 Bustad Hall
Pullman, WA 99164-7040
509-335-6027
509-335-8529
szumwalt@wsu.edu

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

College of Veterinary Medicine

Department of Veterinary Microbiology and Pathology

Website: graduate.vetmed.wsu.edu/participating-programs/iid/overview-of-the-iid-program

Description: The MS 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), PhD

College of Veterinary Medicine

Integrative Physiology and Neuroscience (IPN) Program

Website: ipn.vetmed.wsu.edu/veterinary-sciences

Description: The doctoral program in Veterinary Sciences: Integrative Physiology and Neuroscience (IPN) is a very flexible program ideally suited for those students interested in pursuing doctoral 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 dissertation 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

Admission and Degree Requirements: See admission requirements at ymp.vetmed.wsu.edu/graduate-programs/combined-programs-phd/application.

Contact department for degree requirements.

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 (Integrative Physiology and Neuroscience), MS

College of Veterinary Medicine

Integrative Physiology and Neuroscience (IPN) Program

Website: ipn.vetmed.wsu.edu/veterinary-sciences

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. The primary difference between the MS and PhD programs is that the depth of the thesis project for a MS degree is significantly less than the dissertation project for the PhD degree. Because of the short time to completion, students pursuing a MS degree do not participate in rotations and must have an identified mentor before they enter the program.

Location(s): Pullman

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 1

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/online-degrees/

Agriculture, MS
Agriculture – Food Science and Management, MS
Civil Engineering, ME
Electric Power Engineering, PSM
Engineering and Technology Management, METM
Executive MBA
Health Communication and Promotion, MA
MBA
Molecular Biosciences, PSM
Music, MA
Software Engineering, MS
Special Education, EdM
Strategic Communication, MA

Online Certificates

Website: online.wsu.edu/online-degrees/certificates/

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 Kinesiology and Educational Psychology

Website:

education.wsu.edu/graduate/edpsych/methodscertificate/

Description: There is 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 is 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:

Kira Carbonneau
509-335-2324
kira.carbonneau@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 Kinesiology and Educational 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/

Minimum Required Credits: 12 graded; 12 total

Contact Information:

Leonard Burns, PhD

509-335-8299

glburns@wsu.edu

Brian French, PhD

509-335-8584

frenchb@wsu.edu

Bioethics Certificate

College of Arts and Sciences

School of Politics, Philosophy, and Public Affairs

Website: online.wsu.edu/online-degrees/certificates/bioethics-graduate-certificate/pppa.wsu.edu/graduate-studies/graduate-certificate-in-bioethics/

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

Bioinformatics Certificate

College of Arts and Sciences

School of Biological Sciences

Website: 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/or 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 rich academic environment for graduate student to synthesize

information across multiple disciplines. The certificate aims 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 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/

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

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/

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/

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

Constraints Management Certificate

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

Website: 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 three-course 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/

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:

Patti Elshafei, Academic Coordinator/Advisor
509-335-0125
etm@wsu.edu

Luna Magpili, PhD
luna.magpili@wsu.edu

Digital Humanities and Culture Certificate

College of Arts and Sciences

Digital Technology and Culture Program

Department of English

Website: dtc.wsu.edu/graduate-certificate/

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 and certificate 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

Jon Hegglund, PhD
Professor and Director of Graduate Studies, English
hegglund@wsu.edu

Education Technology Across the Curriculum Certificate

College of Education

Department of Teaching and Learning

Website:

education.wsu.edu/graduate/graduatecertificates/ceta/c/

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/ceta/c/

Minimum Required Credits: 15 graded; 15 total

Contact Information:

Joy Egbert
509-335-7277
jegbert@wsu.edu

English Language Learners Certificate

College of Education
Department of Teaching and Learning

Website:

education.wsu.edu/graduate/ell/ellcertificate/

Description: The Graduate Certificate in 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

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:

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

Michael Salamone, Associate Professor and Director of Graduate Studies
PO Box 644880
Johnson Tower 812
Pullman, WA 99164-4880
509-335-7569
michael.salamone@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, 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 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 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/

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

Minimum Required Credits: 12 graded; 12 total

Contact Information:

Megan Starr-Gepford, Assistant Director Murrow Academic Advising

Murrow College of Communication

PO Box 642520

Pullman, WA 99164-2520

509-335-5608

communication@wsu.edu

Human Nutrition Certificate

Elson S. Floyd College of Medicine

Department of Nutrition and Exercise Physiology

Website: medicine.wsu.edu/nutrition-and-exercise-physiology-degree-program/

Description: Human nutrition skills and knowledge are increasingly in demand for diverse professional careers in academia, industry, and government. For example, food scientists within the food industry will need to interact with nutritionists and dietitians; Plant breeders are increasingly selecting for varieties based on nutrient characteristics and thus need to understand human nutrition concerns. The Graduate Certificate in Human Nutrition provides a guided mechanism for WSU graduate students in any discipline to 1) develop an understanding of nutrition research and current issues in nutrition 2) improve their own research and course of study using this knowledge 3) earn a certificate of acknowledgment for their additional concentration in nutritional sciences. The certificate will aid graduates and prospective employers by identifying and recognizing additional graduate-level coursework in human nutrition.

Location(s): Spokane

Admission and Certificate Requirements: Interested applicants must first 1) be current WSU graduate students in another discipline or 2) apply and be granted admission to the WSU Graduate School as a

part-time certificate student before taking their first Certificate course. *Contact department for admission and certificate requirements.*

Application Deadline: Rolling

Minimum Required Credits: 9 graded; 9 total

Contact Information:

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

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/

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 four-course certificate 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/

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, Academic Coordinator/Advisor
509-335-0125
etm@wsu.edu

Luna Magpili, PhD

luna.magpili@wsu.edu

Industrial Leadership Certificate

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

Website: etm.wsu.edu/certificate-program/industrial-leadership/

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/

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, Academic Coordinator/Advisor

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 Master 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 admission requirements at nursing.wsu.edu/academics/certificate-nursing-education

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

Minimum Required Credits: 12 graded; 12 total

Contact Information:

Tami Kelley, Academic Coordinator/Advisor

WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 E. Spokane Falls Blvd

Spokane, WA 99202

509-324-7334

509-324-7250 (fax)

tamara.kelley@wsu.edu

Until August 14, 2021

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

Beginning August 15, 2021

Catherine Van Son, Interim Program Director

WSU Vancouver, College of Nursing

VLib 210M

14204 NE Salmon Creek Avenue, Vancouver, WA
98686

vansonc@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, March 15; Spring, November 1

Minimum Required Credits: 12 graded; 12 total

Contact Information:

Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 E. Spokane Falls Blvd
Spokane, WA 99202
509-324-7334
509-324-7250 (fax)
tamara.kelley@wsu.edu

Until August 14, 2021

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

Beginning August 15, 2021

Catherine Van Son, Interim Program Director
WSU Vancouver, College of Nursing
VLib 210M
14204 NE Salmon Creek Avenue, Vancouver, WA
98686
vansonc@wsu.edu

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 admission requirements at nursing.wsu.edu/academics/public-health

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

Minimum Required Credits: 12-13 graded; 12-13 total

Contact Information:

Tami Kelley, Academic Coordinator/Advisor
WSU Health Sciences Spokane, College of Nursing
SNRS 133, 412 E. Spokane Falls Blvd
Spokane, WA 99202
509-324-7334
509-324-7250 (fax)
tamara.kelley@wsu.edu

Until August 14, 2021

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

Beginning August 15, 2021

Catherine Van Son, Interim Program Director
WSU Vancouver, College of Nursing
VLib 210M
14204 NE Salmon Creek Avenue, Vancouver, WA
98686
vansonc@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))

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 four-course 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/

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, Academic Coordinator/Advisor
509-335-0125
etm@wsu.edu

Bill Gray, PhD
wgray@wsu.edu

Protein Biotechnology Certificate

College of Agricultural, Human, and Natural Resource Sciences

Interdisciplinary Certificate

Website: 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 biotechnological needs in academic, industrial, or government service. The program provides state-of-the-art training in translating basic science into applied biotechnology, with an emphasis on protein science.

Admission of Program Trainees is via nomination by a participating doctoral program: Department of Chemistry; School of Chemical Engineering and Bioengineering; School of Molecular Biosciences; Program in Molecular Plant Sciences; and Program in Immunology and Infectious Diseases. Trainee positions are supported by a grant from the National Institute of General Medical Sciences, part of the National Institutes of Health, and Washington State University contributions.

Location(s): Pullman

Admission and Certificate Requirements: *Contact a 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 PhD program at WSU before the deadline.

Minimum Required Credits: *Varies*

Contact Information:

Matt Peck, Program Coordinator
NIH Biotechnology Training Program
Washington State University
Pullman, WA 99164-7411
matthew.peck@wsu.edu
509-335-3864

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/ (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

*Voland 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 four-course 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, Academic Coordinator/Advisor
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:

Megan Starr-Gepford, Assistant Director Murrow
Academic Advising
Murrow College of Communication
PO Box 642520
Pullman, WA 99164-2520
509-335-5608
communication@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

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 three-course systems engineering management graduate certificate covers system concepts, system design, system analysis, system risk, and system sustainability. Each course broadens the student's 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: 9 graded; 9 total

Contact Information:

Patricia Elshafei, Academic Coordinator/Advisor
509-335-0125
etm@wsu.edu

Alice Squires, PhD
alice.squires@wsu.edu

Teaching College Mathematics Certificate

College of Arts and Sciences

Department of Mathematics and Statistics

Website: math.wsu.edu/graduatestudies/

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/graduatestudies/ 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

Minimum Required Credits: 12 graded; 12 total

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

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

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 wrc.wsu.edu/news/wrsm-graduate-certificate-program/

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

Matthew Carroll, PhD

School of the Environment

509-335-2235

carroll@wsu.edu