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ANNUAL ISSUE: FALL 2011 – SUMMER 2012

PROFESSIONAL &
CONTINUING EDUCATION
UNIVERSITY *of* WASHINGTON
www.keeplearning.uw.edu

Explore *Your* Options

Whether you want to update your skills, boost your career, delve into a new field or get creative, UW Professional & Continuing Education can help. Choose from more than 125 certificate programs, dozens of graduate degrees and hundreds of courses—all designed and scheduled for working adults. Learn more about the programs mentioned in this catalog and more at www.keeplearning.uw.edu.

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Questions about our programs or courses?

Phone: 206-897-8939

Toll-free: 800-506-1325

Email: info@pce.uw.edu

Apply online: www.keeplearning.uw.edu

Fax your application or registration form:

206-685-9359

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Moving? Please call 206-897-8939

Postmaster: send all address changes to UW Professional & Continuing Education, Box 359480, Seattle, WA 98195-9480. To be added to the mailing list, call 206-897-8939.

Save This Annual Catalog

In the following pages you'll find important reference information about the certificate and degree programs we plan to offer in the coming year. So hang on to this catalog as you explore your options.

Come to an Information Session

You can learn more about a certificate at an upcoming information session. We offer in-person meetings and online webinars. During either, you can chat with program representatives and your peers to find out if the program is right for you.

Connect With UWContinuingEd Online

Search for UWContinuingEd on Facebook, Twitter and YouTube to keep learning about events, industry trends, career strategies, new programs and more. You can also find us on LinkedIn as University of Washington Professional & Continuing Education.

Attend a Special Event

In addition to information sessions, we offer open houses that focus on a particular field and career nights where you can tap into the expertise of career consultants, human resource experts and other professionals. Our events are free, informative and great places to network.

Past Events

- Sustaining Your Art on Your Own Terms
- The Modern Resume: How to Move to the Top of the Stack
- Tech Trends & Education for Tomorrow's Careers
- Make Your Move: Investing in Your Business Career
- Retooling for a Green Future

Upcoming Events

- Discovering Your Dream Job (Summer 2011)
- Navigating Grad School as a Working Professional (Autumn 2011)
- Career Fair (Winter 2012)

Be on the lookout for upcoming events by checking our website, Facebook and Twitter.

www.keeplearning.uw.edu

Autumn Programs

Arts, Writing & Culture	Program Type	Format/Location	Schedule
Artistry and Business of Digital Imaging	Certificate	Downtown Seattle or online	Tue, 6-9 p.m.
Fashion: Concept to Market	Certificate	UW campus	Mon, 7-10 p.m.
Fiber Arts	Certificate	UW campus	Sat, 9 a.m.-4 p.m.
Literary Fiction Writing (Section A)	Certificate	UW campus	Tue, 6:30-9:30 p.m.
Literary Fiction Writing (Section B)	Certificate	UW campus	Thu, 6:30-9:30 p.m. and Mon, 6:30-9:30 p.m., Nov. 21
Natural Science Illustration	Certificate	UW campus	Mon and Wed, 6:30-9:30 p.m.
Nonfiction Writing	Certificate	UW campus	Tue, 6:15-9:15 p.m.
Photography	Certificate	UW campus	Tue, Thu and Fri, 6-9 p.m.
Popular Fiction	Certificate	Downtown Seattle	Wed, 6:30-9:30 p.m. and Tue, 6:30-7:30 p.m., Dec. 6
NEW! Popular Fiction II	Certificate	UW campus	Tue, 6:30-9:30 p.m.
Screenwriting	Certificate	UW campus	Thu, 6:30-9:30 p.m. and Tue, 6:30-9:30 p.m., Oct. 18, Nov. 22 and Dec. 13
Writing for Children	Certificate	UW campus	Tue, 6:30-9:30 p.m.
Writing the Memoir	Certificate	UW campus	Tue, 6:30-9:30 p.m.
Biotechnology & Biomedical			
Applied Biostatistics	Certificate	Online	Wed, 7-8 p.m., online lectures recorded Mon, Wed, Fri
Basic Medical Sciences	Certificate	Bellevue and UW Campus	Thu, 6:30-9:50 p.m. and Sat, 8:30 a.m.-5 p.m.
Biomedical Regulatory Affairs	Certificate	UW campus	Tue, 6-9 p.m.
Biosensors and Biomaterials	Certificate	Online	Tue, 6:30-9:50 p.m.
Biotechnology Project Management	Certificate	Online	
Clinical Trials	Certificate	UW campus	Wed, 6-9 p.m. and Tue, 6-9 p.m., Sep. 27
Drug Discovery and Design	Certificate	UW campus and online combined	See website for schedule
Medical Devices & Commercialization	Certificate	Bellevue	Wed, 6:30-9:50 p.m.
Translational Pharmaceuticals	Certificate	Downtown Seattle and online combined	Tue and Thu, 5:30-7:30 p.m.
Building Construction, Design & Real Estate			
Commercial Real Estate	Certificate	Downtown Seattle	Tue and Thu, 6-9 p.m.
Construction Management	Certificate	UW campus or online	Tue and Thu, 6-8:50 p.m.
Digital Design & Fabrication	Certificate	UW campus	Thu, 6-9:30 p.m.
Facility Management	Certificate	Online	
Integrated Lighting Design	Certificate	UW campus	Mon, 6-9 p.m.
Urban Green Infrastructure	Certificate	Online	
Business			
Accounting	Certificate	UW campus and Bellevue	Wed, 6-9 p.m. and some Sat meetings, 9 a.m.-noon
Business Analysis	Certificate	Downtown Seattle	Mon, 6-9 p.m.
Business Development	Certificate	Downtown Seattle	Tue, 6-9 p.m.
Business for International Professionals	Certificate	Downtown Seattle	Mon-Thu, 9 a.m.-4 p.m.
Computational Finance	Certificate	Online	See website for schedule
NEW! Contract Design and Management	Certificate	Downtown Seattle	See website for schedule
NEW! Financial Risk Management	Certificate	Online	See website for schedule
Human Resources Management	Certificate	UW campus	Mon and Wed, 6-9 p.m.
Investing in the Stock Market	Course	UW campus	Wed, 7-9 p.m., Reg #115015
Marketing Management	Certificate	UW campus	Tue, 6-9 p.m.
Project Management	Certificate	Varies/multiple locations	See website for schedules
Software Product Management	Certificate	Bellevue	Wed, 6-9 p.m.

Visit www.keeplearning.uw.edu for online courses and single course enrollment opportunities.

Communication & Media	Program Type	Format/Location	Schedule
Audio Production	Certificate	Downtown Seattle	Tue and Thu, 6-9 p.m.
Editing (Section A)	Certificate	UW campus	Mon, 6:30-9:30 p.m. and Sat, 9-4 p.m., Dec. 3
Editing (Section B)	Certificate	UW campus	Wed, 6:30-9:30 p.m. and Sat, 9-4 p.m., Dec. 10
NEW! Game Design & Creation	Certificate	UW Bothell	Tue, 6-9 p.m.
NEW! Global Technology & Communication Management	Certificate	UW campus	Mon, 6-9:50 p.m.
Independent Filmmaking	Certificate	UW campus	Mon and Wed, 6:30-9:30 p.m. and Sat, 9 a.m.-4 p.m.
Public Relations	Certificate	UW campus	Mon and Wed, 6-8:30 p.m.
Technical Writing and Editing	Certificate	UW campus	Tue and Thu, 6-8:50 p.m.
User-Centered Design	Certificate	UW campus	Tue and Thu, 6-9:50 p.m.
Virtual Worlds	Certificate	Online	Thu, 6-9 p.m.
Web Design with Adobe® Creative Suite®	Certificate	Downtown Seattle	Mon and Thu, 6-9 p.m.
Computing & IT			
.NET Advanced Web Development	Certificate	Downtown Seattle	Thu, 6-9 p.m.
.NET Development	Certificate	Downtown Seattle	Tue, 6-9 p.m.
3D Animation for Games and Digital Media	Certificate	UW campus	Mon and Wed, 6-9 p.m.
Agile Development	Certificate	UW campus	Wed, 6-9 p.m. and Sat, 9 a.m.-4 p.m., Oct. 8 and Nov. 5
NEW! Android Application Development	Certificate	Downtown Seattle or online	Wed, 6-9 p.m.
Business Intelligence: Techniques for Decision-Making	Certificate	Bellevue	Wed, 6-9 p.m. and Sat, 9 a.m.-4 p.m., Oct. 8
Business Intelligence: Building the Data Warehouse	Certificate	Downtown Seattle	Mon, 6-9 p.m.
C++ Programming	Certificate	Bellevue	Tue, 6-9 p.m.
NEW! Cloud Computing	Certificate	Downtown Seattle or online	Mon, 6-9 p.m.
Digital Forensics	Certificate	Downtown Seattle	Thu, 6-9 p.m.
Embedded and Real-Time Systems Programming	Certificate	Bellevue	Mon, 6-9 p.m.
Foundations of C++	Course	Online	Reg #117065
Game Development	Certificate	Bellevue	Thu, 6-9 p.m.
Geographic Information Systems	Certificate	UW campus	Mon and Wed, 6-9 p.m.
Geographic Information Systems Fundamentals	Course	Online	Reg #108969
NEW! Green IT	Certificate	Online	Thu, 6-9 p.m.
Information Security and Risk Management	Certificate	UW campus or online	Wed, 6-8:50 p.m.
Information Systems Security	Certificate	Downtown Seattle	Thu, 6-9 p.m.
Introduction to Programming and Application Development	Course	UW campus	Mon, 6-9 p.m., Reg # 116491
Introduction to Web Publishing	Course	Online	Reg #116703
iOS and Mac Application Development	Certificate	Downtown Seattle	Mon, 6-9 p.m.
Java Foundations	Course	Bellevue	Mon and Thu, 7-9 p.m., Reg #118278
Java Programming	Certificate	Downtown Seattle	Mon, 6-9 p.m.
Localization: Customizing Software for the World	Certificate	Downtown Seattle or online	Wed, 6-9 p.m.
Network Engineering	Certificate	Bellevue	Mon, 6-9 p.m.
Oracle Database Administration	Certificate	Online or Downtown Seattle and online combined	Tue, 6-9 p.m.
Python Programming	Certificate	Downtown Seattle	Tue, 6-9 p.m.
Rapid Web Development with Content Management Systems	Certificate	Downtown Seattle	Wed, 6-9 p.m.
Ruby Programming	Certificate	Downtown Seattle	Tue, 6-9 p.m.
Social Media Technologies & Implementation	Certificate	Downtown Seattle	Wed, 6-9 p.m.
Software Test Automation	Certificate	Bellevue	Tue, 6-9 p.m.
Software Testing	Certificate	Bellevue	Mon and Thu, 6-9 p.m.
SQL Server Specialist	Certificate	Downtown Seattle and online combined	Tue, 6-9 p.m.
Systems Analysis and Design	Certificate	Downtown Seattle and online combined	Wed, 6-9 p.m. and some Sat meetings, 9 a.m.-4 p.m.
UNIX/Linux Administration	Certificate	Downtown Seattle	Tue, 6-9 p.m.
Web Technology Solutions	Certificate	UW campus	Thu, 6-9 p.m.

Autumn Programs

Education	Program Type	Format/Location	Schedule
NEW! Early Childhood Leadership	Certificate	UW campus	Wed, 6-9 p.m. and Sat, 9 a.m.-3 p.m., Nov. 5 only
E-Learning Design & Development	Certificate	Online	
Engineering			
Cold Regions Engineering	Course	Seattle	Thu-Sun, 8 a.m.-5 p.m., Nov. 3-6 and Mon, 8 a.m.-noon, Nov. 7, Reg # 116824
Construction Site Erosion and Pollution Control	Course	Bellevue	Wed, 8:30 a.m.-5 p.m., Sep. 14 and Thu, 8:30 a.m.-5 p.m., Sep. 15, Reg #117877
Engineering Leadership	Certificate	UW campus and online combined	Tue, 4-6:50 p.m.
Global Integrated Systems Engineering	Certificate	UW campus and online combined	Thu, 3:30-9:20 p.m.
Heavy Construction Project Management	Certificate	Online	
Infrastructure Construction	Certificate	Online	
Environment & Sustainability			
Decision Making for Climate Change	Certificate	Online	
Environmental Law & Regulation	Certificate	UW campus	Wed, 6-9 p.m.
Low Impact Development	Certificate	Downtown Seattle	Wed, 6-9 p.m.
Stream Restoration	Certificate	Downtown Seattle	Mon, 6-9 p.m.
Sustainable Transportation: Planning and Livable Communities	Certificate	Online	Thu, 6-8 p.m.; Also meets on Nov. 21
Wetland Science and Management	Certificate	UW campus	Tue and Thu, 6-9 p.m.
Health, Medicine & Social Work			
Geriatric Mental Health	Certificate	Downtown Seattle	Fri, 8:30 a.m.-4:30 p.m., Oct. 7, Nov. 4 and Dec. 9
Gerontology	Certificate	Online	Enroll any quarter
Healthcare Regulatory Compliance	Certificate	Downtown Seattle	See website for Schedule
NEW! Infant Mental Health	Certificate	UW campus	Wed, Thu, Fri, 8:30 a.m.-5 p.m., Sep. 21-23
NEW! Integrated Behavioral Health	Certificate	Online	
Medical Management	Certificate	UW campus	Wed, 5:30-8:30 p.m.
Nutrition for Today	Course	Online	Reg # 116193
Psychological Trauma: Effective Treatment & Practice	Certificate	Bellevue and online combined	Fri, 1-7 p.m., Oct. 7 only and Sat, 8:30 a.m.-4:30 p.m., Oct. 8, Nov. 5 and Dec. 3
Humanities & Social Sciences			
Elementary Spanish	Course	UW campus	Tue and Thu, 7-9:20 p.m., Reg #118241
Genealogy and Family History	Certificate	UW campus	Thu, 6-8:30 p.m.
Law & Regulation			
eDiscovery	Certificate	Downtown Seattle	Thu, 6-9 p.m.
Forensics	Certificate	UW campus	Wed, 6-9 p.m.
Guardianship	Certificate	Bellevue and online combined	See website for schedule
Paralegal Studies	Certificate	UW campus	Mon-Thu, 6-9 p.m.
Private Investigation	Certificate	Downtown Seattle	Tue, 6-9 p.m.
Nonprofit & Public Sector			
Fundraising Management	Certificate	UW campus	See website for schedule
Museum Studies	Certificate	UW campus	Sat, 9 a.m.-4 p.m., 6 sessions in Autumn
Nonprofit Management	Certificate	UW campus	Sat, 9 a.m.-4 p.m. or Tue, 6-9 p.m.
NEW! Nonprofit Management	Certificate	UW Bothell	Sat, 9 a.m.-4 p.m.

Learn more about our certificate programs by attending an in-person information meeting or a webinar. For more information visit www.keeplearning.uw.edu.

Degree Programs

Earn a degree that fits your schedule. Our graduate and undergraduate degree programs offer flexible formats with evening, online and even weekend options—ideal for working professionals.

Certificate Programs

Our certificate programs prepare you for an increasingly dynamic and complex world. By design, each program challenges you to explore subjects in depth and apply new concepts and skills in practical situations. Programs typically span three academic quarters, providing you with knowledge and networking opportunities to enhance your career, change your career or develop an important personal interest.

Courses & Short Programs

Whether your goal is to earn college credit toward a degree, satisfy a prerequisite, gain knowledge for your career or fulfill a personal interest, you can find a course, workshop, institute, conference or travel-study tour that fits your needs.

Online Learning

For your convenience, we offer a variety of courses, certificate programs and even graduate degree programs that you can take either completely online or in a blended combination of online and classroom instruction. Even with a busy schedule, you can get closer to your goals with Online Learning.

125 certificates + 50 degrees + 100s of courses

Degrees

Bachelor's in Communication, English, Humanities or Social Sciences

Complete your bachelor's degree in the evening within a close-knit community of UW students, faculty and advisers. The UW Evening Degree program offers you the personalized attention of a small school and the outstanding education of a top-ranked university. Attend evening classes on a full- or part-time schedule and enjoy the same campus resources as daytime students. Earn the degree you've always wanted through the UW Evening Degree Program.

Application Deadlines: Oct. 31 for winter quarter; Jan. 31 for spring quarter; May 15 for summer/autumn quarter; and July 15 for autumn quarter. Contact: 206-543-6160 or advisers@pce.uw.edu for additional information.

www.evedegree.washington.edu

Certificate Programs

Artistry and Business of Digital Imaging (classroom or online)

Starts in Autumn Quarter

Apply the latest digital imaging technologies to your work using Adobe Photoshop and Lightroom. Increase the quality of digital imaging through optimal processing, workflow, storage, calibration, printing, display and distribution. Create a portfolio using a wide-format Epson printer. Get advice from industry leaders about new developments in the field.

Courses:

Color and Image Management

Image Optimization & Business Fundamentals

Printing, Publishing & Professional Business Strategies

Fashion: Concept to Market

Starts in Autumn Quarter

Whether a designer or potential entrepreneur, learn to analyze the contemporary fashion market and identify your own niche within it so that your ideas for a line of clothing or accessories will stand out, yet reflect current trends. Understand how to make key decisions on the nature and sourcing of textiles and other materials, costing and pricing, sample making, construction processes and distribution. Find out how to put together a marketing plan that will bring your work to the attention of your most viable markets.

Courses:

Finding Your Personal Voice: Concept and Design

Making the Design a Reality: Creating Your Line

Reaching Your Audience: Marketing the Line

Fiber Arts

Starts in Autumn Quarter

Increase the creative, conceptual and expressive aspects of your work in any medium of fiber arts. Be inspired by the work of other artists as you develop your own personal voice. Experiment with incorporating elements of autobiography, history and culture into your work. Learn approaches to expanding your body of work as your vision evolves. Gain professional practices that help bring your art to the attention of others.

Courses:

The Creative Process and Fiber Art

Conceptual Strategies in Fiber Art

More Conceptual Strategies and Professional Practices

Literary Fiction Writing I

Starts in Autumn Quarter

Explore elements, such as richly nuanced characters, thought-provoking subject matter and lyrical language, which are the foundation of literary short stories and novels. Learn the craft of writing literary fiction by focusing on character development, narrative voice and point of view. Study works of literary fiction and develop your own stories through concrete writing exercises. Discover how to bring the vibrant characters and ideas in your imagination to life.

Courses:

Literary Fiction I: Foundations

Literary Fiction I: Intermediate

Literary Fiction I: Capstone

Natural Science Illustration

Starts in Autumn Quarter

Develop your artistic ability and learn techniques to render detailed illustrations of flora, fauna and other biological wonders. Try your hand at drawing subjects in their natural habitats during visits to the Woodland Park Zoo and Seattle Aquarium. Learn digital illustration and online publishing skills, and get tips on marketing your artwork. Prepare to publish in nature journals, textbooks, and medical texts, or consult for zoos and botanical societies.

Courses:

Principles of Natural Science Illustration

Zoological Illustration

Vertebrate Illustration

Wildlife Illustration

Applied Techniques of Natural Science Illustration

Botanical Illustration

Nonfiction Writing

Starts in Autumn and Winter Quarters

Explore one of the most versatile genres in contemporary literature: nonfiction writing. Discover how to master writing techniques and prepare your work for freelance publication. Create a portfolio of quality work suitable for publication in newspapers, magazines, books or online. Explore topics and complete assignments designed to develop your voice and writing skills.

The accelerated version of this program is just six months in length, offered winter quarter.

Courses:

Nonfiction: Foundations

Nonfiction: Writing Seminar and Portfolio

Photography

Starts in Autumn and Spring Quarters

Survey the history of photography and learn from the masters as you develop your own personal aesthetic. Hone your photography skills through hands-on practice with a 35 mm camera. Examine the basics of composition, fine art printing and the digital tools that will help you produce high-quality creative images. Become versed in traditional wet chemical and modern digital photography techniques.

Courses:

It's the Image that Communicates

Photographic Techniques and Practical Considerations

Advanced Photographic Applications

Popular Fiction I

Starts in Autumn and Winter Quarters

Explore the backbone of the commercial fiction industry: popular fiction, which includes several genres such as mystery, romance, science fiction and thriller. Examine the art of captivating readers through strong plots, powerful scenes and three-dimensional characters. Learn how to construct a suspenseful and complex storyline, write believable dialogue and hone your craft. Master the development of the beginning, middle and end of your novel during three different courses dedicated to each section's development.

The accelerated, intensive version of this program is just slightly over four months in length, offered winter quarter.

Courses:

Popular Fiction I: The Beginning

Popular Fiction I: The Middle

Popular Fiction I: The End

Popular Fiction II

Starts in Autumn Quarter

Build on your previous popular fiction writing experience to complete the full-length story in your imagination. Initiate and draft an original book-length piece in the popular fiction genre of your choice, or finish and revise your current in-progress novel. Synthesize and strengthen your existing fiction writing skills, and take inspiration from your committed colleagues. Collaborate on a class anthology and prepare to submit your manuscript to agents and publishers.

Courses:

Popular Fiction II: The Critical First Impression

Popular Fiction II: Conflict in Action

Popular Fiction II: Wrapping Up Your Story

Screenwriting

Starts in Autumn Quarter

Discover and develop your own original story for the screen. Learn writing techniques that free up your creativity, whether you want to write for independent films, Hollywood epics or television movies. Explore the art of storytelling and the fundamental principles of screenwriting by studying seminal film and television works.

Courses:

Screenwriting: Story

Screenwriting: First Draft & Rewrite

Writing for Children

Starts in Autumn Quarter

Investigate the world of children's fiction and nonfiction, including picture books, chapter books and novels. Learn to bring your own tales to life and captivate children's imaginations. Discover how to transform the idea of a story into an enthralling narrative, page by page. Explore how to use your own inner resources to strengthen your creative voice and prepare for the long, quiet phase of writing and rewriting on your own.

Courses:

Writing for Children: Foundations

Writing for Children: Intermediate

Writing for Children: Capstone

Writing the Memoir

Starts in Autumn Quarter

Develop skills to write about your life. Learn to use techniques such as dialogue, description and back-story to capture the truth of a particular moment, character or experience, and create a compelling memoir. Explore how to compose a book-length memoir or collection of essays stage by stage. Discover your true voice and material as you develop, structure and edit your memoir. Establish your writing schedule, goals and vision, and learn about avenues for publication.

Courses:

Generating Memoir Material

Organizing Your Material

Polishing Your Material

More Options

Enroll in a film workshop to complement or explore our Certificate in Independent Filmmaking. Workshops are open to everyone and include The Business of Film: Money, Law & Markets; Film Directing, Producing and Production Management; and Sound Gathering on Location.

Earn undergraduate credit in an online course in English or Dance. Visit www.pce.uw.edu/online.aspx to learn more.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Degrees

Master of Medical Engineering

Learn to develop technologies and products that will become the standard of health care in the near future. This master's program is specifically designed to help working professionals in the local engineering and medical fields. In addition to an introduction to basic medical sciences, you will study critical topics such as medical diagnostics, device design for medical environments, commercialization, biosensors and biomaterials. Engineers will gain hands-on experience from UW Bioengineering faculty in a convenient evening degree format.

http://depts.washington.edu/bioe/education/prospective/educ_master_mede.html

Master's in Pharmaceutical Bioengineering

Explore advanced education in the areas of molecular and cellular biology, drug discovery and design, pharmaceuticals and translational pharmaceuticals. Develop a comprehensive background to become an effective multidisciplinary collaborator in the biotechnology and pharmaceutical industries. This program is designed for working local scientists, researchers, engineers, and professionals in the biotechnology, pharmaceutical and related industries.

http://depts.washington.edu/bioe/education/prospective/educ_master_pharbe.html

Professional Master of Science in Biomedical Regulatory Affairs

Answer the call for well-trained professionals in the regulatory field and gain comprehensive training to create, develop, regulate and manufacture pharmaceutical and medical devices. Developed in partnership with the UW School of Pharmacy, this relevant degree program emphasizes the key management aspects of taking a medical product—drug, device or biologic—from conceptualization to marketing and risk management. Networking opportunities with local medical product professionals and a hands-on practicum will help position you as leader in the regulatory field. A convenient evening and weekend format allows working adults to earn their degree in two years.

<http://outreach.washington.edu/biomedreg>

Certificate Programs

NEW! Applied Biostatistics** (online)

Starts in Autumn Quarter

Expand your understanding of statistical concepts for answering scientific questions. Design experiments or clinical studies and apply appropriate statistical methods to analyze data sets from scientific and medical literature. Learn via a convenient online format, and use the Stata software package to read data, describe data and perform statistical analyses.

Courses:

Medical Biometry I

Medical Biometry II

Medical Biometry III

Basic Bioscience** (classroom and online combined)

Starts in Winter Quarter

Investigate the core disciplines involved in drug design, discovery and development. Examine the molecular structure-function relationship and discover how to use proteins, peptides and DNA for drug therapies, bioanalytics, diagnostics and biomaterial development.

Courses:

Molecular and Cellular Biology I

Molecular and Cellular Biology II

General Pharmaceutics I

General Pharmaceutics II

Statistics and Experimental Design

Basic Medical Sciences**

Starts in Autumn Quarter

Explore the sciences that are the basis of medicine and human biology, including cell biology, physiology and anatomy. Discover the basic chemical processes of living organisms and the mechanisms of cellular interaction. Learn the physiologic and functional behaviors of organs, the interaction of organ systems and the structural and anatomic relationships that are the basis of modern medicine. Reinforce your learning with hands-on laboratory work.

Courses:

Cell Biology Seminar

Cell Biology Laboratory

Physiology Seminar

Physiology Laboratory

Special Problems in Anatomy

Surgical Anatomy Laboratory

Biomedical Regulatory Affairs**

Starts in Autumn Quarter

Understand the role of a medical products regulatory affairs specialist and the dynamic nature of the regulatory field. Learn how to locate regulatory information in key national and international sources. Grasp the laws and regulations that apply to the development, testing and production of medical products, including biologics, drugs, biotechnology-derived therapeutics, vaccines and medical devices (including in vitro diagnostics). Explore product development, manufacturing, post-marketing requirements, reporting and enforcement.

Courses:

Introduction to Biomedical Regulatory Affairs

Product Development and Manufacturing Systems

Product Testing, Evaluation, and Post-Market Issues

Biosensors and Biomaterials** (online)

Starts in Autumn Quarter

Explore the chemical and molecular interactions underlying the prevalent use of biomaterials in medical devices and biotechnology. Study biosensors in use and under development for measuring and tracking the complex biological components that provide a foundation of modern health care. Focus on the interaction between the analyze in its native environment, the biochemical systems employed to measure the analyze and the physical transducers used to convert this information into electrical signals.

Courses:

Medical Chemistry

Biosensors

Biomaterials

Biotech Project Management (online)

Starts in Autumn and Spring Quarters

Learn to manage various discoveries, development, testing and manufacturing processes in a highly regulated environment. Explore the unique project management challenges in the pharmaceutical or biomedical industry. Discover how to ensure project progression within the scientific community.

Courses:

Project Planning and Organization

Project Execution, Monitoring and Control

Clinical Trials**

Starts in Autumn Quarter

Explore the fundamental scientific, ethical, practical, regulatory, historical and economic principles that support successful clinical trials. Discover the major concepts guiding the design and implementation of clinical trials, and learn to project manage the numerous people and tasks involved at all stages of the process. Enhance your learning with hands-on exercises and real-life examples.

Courses:

Introduction to Clinical Trials

Implementation and Conduct of Clinical Trials

Project Management and the Business of Clinical Trials

Drug Discovery & Design** (classroom and online combined)

Starts in Autumn Quarter

Explore the principles and approaches guiding the search for new drugs. Investigate biotechnology techniques that are used to identify, select and validate molecular drug targets. Examine different classes of drug compounds as well as their mechanisms of action and physical properties. Explore how the dynamic fields of systems biology and bioinformatics impact drug discovery research.

Courses:

Molecular Biotechnology

Systems Biology & Bioinformatics

Drug Discovery and Design

Molecular Targets and Drug Classes

Medical Devices and Commercialization**

Starts in Autumn Quarter

Explore the human side of device design and learn to develop systems that can help a wide range of people in a variety of settings. Study how government oversight, laws and regulations influence and control the creation and production of medical devices. Gain practical tools and strategic methods for successfully commercializing new products and learn how a medical device businesses can be structured and financed.

Courses:

Medical Device Design

Regulatory Affairs for the Medical Device Industry

Medical Device Commercialization

Translational Pharmaceuticals**

Starts in Autumn Quarter

Discover how a drug moves from the laboratory to the clinic. Learn the science and techniques behind drug development across the phases of translational pharmaceuticals. Study the principles of pharmacokinetics to test the effectiveness of a drug in laboratory settings, and explore how clinical trials are designed and managed. Investigate how to optimize drug formulation, scale up manufacturing processes, and produce biologics and designer drugs.

Courses:

Preclinical Development

Formulation and Delivery

Process Development

Clinical Development

More Options

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Degrees

Master's in Construction Management

Build on your undergraduate education in construction management, civil engineering, architecture and business. Gain the latest skills desired in the industry, and network with expert faculty and peers. Designed for working professionals, this convenient program allows you to attend either full- or part-time, with most courses offered in the evening.

The M.S. in Construction Management is also offered online through the Online Graduate Program in Construction Engineering, page 26.

<http://cm.be.washington.edu/Programs/graddegreedesc.php>

Master of Infrastructure Planning & Management

Master the methods and core skills required to sustain and ensure resiliency of major infrastructures against both man-made and natural disasters. Learn a blend of skills in analysis and strategic planning as you explore how threats that range from climate change to mass urbanization, smart networks, the consequences of aging infrastructure, and extreme weather events impact interconnected and complex infrastructure systems.

www.infrastructure-management.uw.edu/mipm

Certificate Programs

Commercial Real Estate

Starts in Autumn Quarter

Examine commercial real estate as an interdisciplinary field, review trends in commercial development, learn static and dynamic analysis skills for four property types, explore property management techniques and study the marketing and sales of existing properties. Learn about the real estate development process and review the associated legal and taxation issues.

Courses:

Introduction and Static Analysis of Commercial Real Estate

Development Process and Project Sensitivity Analysis

Legal and Taxation Issues and Interdisciplinary Decision-Making in Real Estate

Also offered at UW Tacoma, visit www.tacoma.washington.edu/pdc to learn more.

Construction Management*

Starts in Autumn Quarter

Master the fundamentals of construction management. Learn the principles of commercial cost estimating, including methods for developing a personal estimating manual and cost estimating techniques for the medium-sized general contractor. Explore the principles, practices and techniques of planning, scheduling and controlling construction projects. Focus on accident prevention through construction safety techniques. Analyze and debate case studies depicting actual events in construction project management.

Courses:

Construction Estimating

Project Planning and Control

Construction Safety

Computer Applications

Project Management

Construction Management* (online)

Starts in Autumn Quarter

See Construction Management, this page, for program overview.

Courses:

Construction Safety

Construction Estimating

Project Planning and Control

Project Management

Digital Design and Fabrication for Architecture and Design*

Starts in Autumn Quarter

Discover how Computer-Aided Design and Manufacturing (CAD/CAM) can enhance a design practice through greater flexibility and improved capabilities. Learn to design in a variety of digital environments. Develop skills in digital manufacturing methodologies used in the industry, such as cutting and milling of wood, metal and plastics, rapid prototyping processes and common file formats. Design and produce a number of workshop projects based on CAD/CAM technologies, including the creation of a building component and manufacture of its full-scale components.

Courses:

Introduction to Digital Design and Fabrication Processes

Solid Digital Modeling and Parametric Design

Computer-Aided Design and Manufacturing

Facility Management* (online)

Starts in Autumn Quarter

Gain a solid foundation in facility management principles and practices. Learn proven techniques for improving safety and efficiency, for protecting and enhancing a facility's value, and creating a people-friendly work environment that fosters personal productivity. Study the design and construction processes and understand how to capably manage communications and projects. Examine operations and learn to plan and carry out effective relocations.

Courses:

Facility Life Cycle 1: Planning

Facility Life Cycle 2: Design & Construction

Facility Life Cycle 3: Relocation and Operational Issues

Integrated Lighting Design**

Starts in Autumn Quarter

Explore sustainable approaches to the effective integration and application of daylight, building design and electric lighting in architecture. Understand the principles linking light, human comfort and advanced building design strategies in order to create the healthiest, most productive and energy-efficient interior environments. Develop skills in design and computational analysis and create a toolkit of best practices that you can apply to your own firm.

Courses:

Architectural Lighting Design

Computational Lighting Design and Analysis

Advanced Daylighting Seminar

Urban Green Infrastructure** (online)

Starts in Autumn Quarter

Discover how strengthening a city's green infrastructure network increases community health and ecological resilience. Learn to recognize, quantify and apply ecosystem services and amenities in an urban environment. Explore humanity's evolving relationship with nature as expressed in emerging theories of landscape performance. Undergraduate credit option available, see website for details.

Courses:

Planning Urban Green Infrastructure Networks

Designing High Performance Landscapes

More Options

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Degrees

Bachelor of Arts in Business Administration at the Eastside Leadership Center

This innovative program emphasizes coursework that will help you build skills in leadership, management, teamwork and effective oral and written communication. For experienced students, the program strengthens and refines critical skills and increases knowledge of sound business principals and techniques. For those entering the business sector, the program offers the foundation for careers in this rapidly changing arena. The program provides the highest quality educational experience inherent in a degree from the University of Washington, building excellence and expertise through strong student-faculty relationships and team experiences.

www.uwb.edu/babusiness/elcbbabusiness

Master of Education in Intercollegiate Athletic Leadership

Prepare for leadership in the exciting world of collegiate athletics. Designed with input from an advisory board of top national college athletic and academic administrators, the program's advanced leadership training offers in-depth understanding of college athletics organizations. Drawing on expertise from both the UW College of Education and the UW Foster School of Business, this master's program equips you with a solid foundation in core business competencies, including financial management, strategic planning, public relations, marketing and fundraising. You can earn this unique degree in only 12 months.

www.ial.washington.edu

Master of Science in Computational Finance and Risk Management

Meet the demand for financial services professionals with advanced computational finance and risk management skills. Learn how to enhance investment returns while studying portfolio construction as well as asset and financial risk management methodologies. Explore quantitative finance theory and learn how to use the most modern computational methods and tools, including R. This new program is developed in partnership with the UW Department of Applied Mathematics.

www.amath.washington.edu/studies/computational-finance/masters-degree-in-computational-finance

Certificate Programs

Accounting**

Starts in Autumn Quarter

Through this intensive program, acquire technical accounting knowledge characteristic of an accounting major. Learn about the use and preparation of accounting information for both nonprofit and for-profit organizations. Examine accounting techniques for regulatory reporting, budgeting, information technology, operations and sales. Analyze, prepare and use financial information to make business decisions. Build your managerial competency and prepare for professional certification exams.

Courses:

Intensive Analysis of Accounting Principles I

Intensive Analysis of Accounting Principles II

Intensive Analysis of Accounting Principles III

Accounting (intensive)**

Starts in Summer Quarter

See Accounting on this page for program description.

The summer program is an intensive 18-credit program, covered in one course.

Courses:

Intensive Analysis of Accounting Principles and Practices

Advanced Interactive Marketing

Starts in Winter Quarter

Learn to develop marketing plans around digital media strategies. Make the business case for online marketing campaigns. Evaluate business uses of online marketing, including social media, search engine optimization (SEO), email, blogs, pay-per-click, Web banners and virtual communities. Explore the impact of user-generated media, data-driven decision-making and performance measurement. Focus on developing strategies to fulfill your marketing goals, build your brand online and increase your ROI.

Courses:

Interactive Marketing Strategies and Methods

Interactive Marketing Campaigns and Protocols

Business Administration (intensive)**

Starts in Summer Quarter

Sharpen your understanding of business fundamentals and fine-tune your leadership skills during this intensive program. Study how to increase productivity, better manage people and handle human resource issues. Explore the basics of financial and managerial accounting. Investigate the interrelationship between financial assets and market variables. Learn to develop and present a strategic business plan for a new venture or an analysis of an existing firm or business unit.

Courses:

Fundamentals of Business (Intensive)

Business Administration**

Starts in Winter Quarter

Enhance your business management abilities and fine-tune your leadership skills. Study how to increase productivity, better manage people and handle human resource issues. Explore the basics of financial and managerial accounting. Understand how to assess your organization from an economic, financial, market, policy and legal perspective to support better decision making. Learn to develop and present a strategic business plan for a new venture or an analysis of an existing firm or business unit.

Courses:

Fundamentals of Business

Business Analysis

Starts in Autumn Quarter

Learn to identify business needs and opportunities and determine solutions as a business analyst professional. Develop an understanding of the organization's structure, policies, business rules and operations. Deliver both IT and non-IT solutions that better address business objectives and reduce risk. Gain exposure to waterfall, agile and emerging approaches to IT development and complement your systems knowledge with powerful communication skills. Practice elicitation and collaboration techniques, critical thinking and modeling. Gain practical experience in the knowledge areas and competencies defined by the Business Analysis Body of Knowledge (BABOK®) of the International Institute of Business Analysis (IIBA™).

Courses:

Analyzing Business Needs and Requirements Planning

Facilitating Assessment, Modeling and Documentation

Synthesizing and Gaining Alignment for Implementation

Business Development

Starts in Autumn Quarter

Discover how to find profitable new growth opportunities. Create compelling business development plans for start-up businesses or to expand existing businesses. Gain funding and resource commitments to make investments and drive revenue growth. Learn the core proven principles that enable you to create business value and growth through starting a new business or entering new markets. Actively engage in envisioning new business ideas, implementing business development strategies in a simulation and completing and pitching a business development plan to secure funding.

Courses:

Business Development Methods

Business Development Strategies and Planning

Business Development Ventures

Business for International Professionals

Starts in Autumn and Spring Quarters

Gain a better understanding of trade, marketing, law and finance in the competitive, global environment. Develop superior communication and negotiation skills by improving your English and building your business vocabulary. Study strategic marketing and learn techniques that increase your competitive edge. Explore product distribution options and e-commerce opportunities.

Course:

Business for International Professionals

Computational Finance** (online)

Starts in Autumn and Summer Quarters

Learn the key mathematical, statistical and econometric foundations needed for quantitative management of financial investments. Study classical methods of portfolio construction based on volatility as a risk measure. Learn modern theory of portfolio optimization, discover how to balance alpha generation versus downside risk and study the latest risk budgeting techniques. Complement your foundational knowledge with extensive training in open source R programming language for quantitative finance modeling and analysis.

Courses:

Intro to Computational Finance & Financial Econometrics

Investment Science

Financial Data Analysis & Modeling with R

Portfolio Construction and Risk Management

NEW! Contract Design and Management

Starts in Autumn Quarter

Learn how to design and modify contracts and how to effectively manage existing contracts and contracting relationships. Explore the principles of contract management for goods and services while making responsible, sustainable business decisions. Advance your contract negotiation skills as you learn how to actively negotiate contracts from both the buyer and seller perspective and participate in contract negotiation simulations.

Courses:

Contract Law and Contract Managing

Contracting for Goods

Contracting for Services

Negotiation

Also offered at UW Tacoma, visit www.tacoma.washington.edu/pdc to learn more.

NEW! Financial Risk Management** (online)

Starts in Autumn and Summer Quarters

Prepare yourself to join the next generation of quantitatively-driven financial risk management professionals. Explore the growing trend of modern quantitative finance methods and computational tools for financial risk assessment, management and mitigation. Learn to use methods that are more effective in the face of local and global markets that have a high degree of complexity, interaction and potential instability.

Courses:

Intro to Computational Finance & Financial Econometrics

Investment Science

Intro to Financial Risk Management

Quantitative Risk Management

Credit Risk Management

Continued on next page.

Business

Continued from previous page.

Fundamentals of Project Management (international students)

Starts in Winter and Summer Quarters

Explore the core principles of project management. Investigate case studies and participate in teams to study risk management, effective communication, costs, scheduling and more. Learn to effectively lead a project and apply planning tools and principles to real world examples.

Courses:

Fundamentals of Project Management

Human Resources Management

Starts in Autumn Quarter

Expand your knowledge of the key fundamentals of human resources and transform your perspective from process focused HR practitioner to business enhancing partner. Learn to identify workplace issues, address and diagnose problems quickly and approach workplace effectiveness with skill and confidence. Understand how to educate your organization about the varied skill sets that HR professionals offer.

Courses:

Employee Relations

HR as Business Partner

Benefits

Training and Staff Development

Workforce Planning

Compensation and Reward Systems

Also offered at UW Tacoma, visit www.tacoma.washington.edu/pdc to learn more.

Marketing Management

Starts in Autumn Quarter

Explore how to better understand market needs and communicate with customers in a systematic and integrated way using the Web, social media, email, direct mail, public relations and other messaging tools. Discover techniques for creating more effective promotional campaigns. Examine marketing strategies and learn how to drive significant and sustainable sales growth. Strengthen your marketing skills and gain hands-on experience developing marketing solutions for a local business.

Courses:

Strategic Marketing Management

Integrated Marketing Communications

Marketing Practicum

Project Management

Starts Autumn Quarter

Explore project management processes and procedures. Learn how to formulate effective communication plans, manage conflict and build team rapport. Refine your skills in creating a work breakdown structure, preparing risk management reports and developing a project closure plan.

Courses:

Project Management Overview

Communications

Project Planning

Cost and Scheduling Fundamentals

Problem Solving

Risk Management

Procurement and Contract Management

Leadership Skills

Project Applications

Also offered at UW Tacoma, visit www.tacoma.washington.edu/pdc to learn more.

Project Management (online)

Starts in Autumn, Winter and Spring Quarters

Explore project management processes and procedures. Learn how to formulate effective communication plans, manage conflict and build team rapport. Refine your skills in creating a work breakdown structure, preparing risk management reports and developing a project closure plan.

Courses:

Project Overview and Planning

Scheduling and Risk Management

Execution, Monitoring and Control

Software Product Management

Starts in Autumn Quarter

Learn how to drive the development of successful software products. Examine high-volume packaged software, vertical application software and Web-based delivery of software. Study specific disciplines and requisite core skills, such as documentation, presentation and project oversight. Investigate how a product manager's role changes based on the size of the company. Create product, development, support and marketing sales plans.

Courses:

Software Market Dynamics: Foundations for Successful Products

User-Centered Requirements - Agile and Waterfall Techniques

Going to Market - Digital and Traditional Methods

More Options

Earn undergraduate credit in an online course in Accounting. Visit www.pce.uw.edu/online.aspx to learn more.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Degrees

Bachelor’s in Communication

Complete your bachelor’s degree in the evening within a close-knit community of UW students, faculty and advisers. The UW Evening Degree program offers you the personalized attention of a small school and the outstanding education of a top-ranked university. Attend evening classes on a full- or part-time schedule and enjoy the same campus resources as daytime students. Earn the degree you’ve always wanted through the UW Evening Degree Program.

Application Deadlines: Oct. 31 for winter quarter; Jan. 31 for spring quarter; May 15 for summer/autumn quarter; and July 15 for autumn quarter.

Contact: 206-543-6160 or advisers@pce.uw.edu for additional information.

www.evedegree.washington.edu

Master of Communication in Digital Media

Join the digital media revolution and gain the necessary tools to understand and leverage the fast-changing world of new media technology and distribution. Powered by industry innovators, distinguished faculty and media experts, this rigorous master’s program focuses on social media and the business of digital media in communication.

Your command of new communication technologies and their social, political, economic and cultural impacts will open doors to new careers across all sectors. You can become a digital media expert in 15 months, attending class weekday evenings.

www.mcdm.washington.edu

Certificate Programs

Audio Production

Starts in Autumn Quarter

Learn the basic principles of audio engineering and gain practical, hands-on experience while working in a sound studio. Examine audio production from acoustics and microphones to the recording and mixing process. Take field trips to local studios to view professional sound production for music, video and film. Study the use of software to create digital audio files for the Internet and other media.

Courses:

- Principles of Audio Production
- Audio Production in the Studio
- Audio Production Project
- Sound Gathering on Location

Editing

Starts in Autumn and Winter Quarters

Advance your understanding of the editorial process and apply your knowledge to editing a wide variety of print and online publications. Explore the relationship between editors and writers, as well as the art of proposing editorial changes. Enhance your own writing skills while learning to collaborate in developing the best copy for the audience and type of publication.

Courses:

- Editorial Roles and Grammar for Editors
- Practical Grammar for Editors

NEW! Game Design & Creation

Starts in Autumn Quarter

Take advantage of new opportunities for creative game designers and developers. Study the principles and methodologies of modern game design and interactive online experiences. Analyze the dramatic and dynamic elements of game systems and understand how online games are produced and monetized. Build prototypes of both digital and non digital games to ultimately create your own next-generation online gaming experiences.

Courses:

- Fundamentals of Game Design
- Game Mechanics & Systems Design
- Agile Game Development

NEW! Global Technology and Communication Management**

Starts in Autumn Quarter

Explore how cultural context, market relevance and international policies affect product design. Examine localization management challenges in varying business sectors as well as types of software, online services and content that best meets needs of global audiences. Study the multinational business arena, touching on global consumer trends, foreign operations management and global industry relationships in the international arena.

Courses:

- International User Experience and Communication
- Globalization & Localization Management
- Strategies for International Product Management

Independent Filmmaking

Starts in Autumn Quarter

Learn what it takes to make a short documentary or narrative film by working on a project from concept to post-production. Study the fundamentals of film and video production and learn to plan, produce and edit your work with the latest technologies. Practice using camera, light and sound packages on location and in a studio.

Courses:

- Introduction to Independent Filmmaking
- Shooting the Documentary
- Shooting the Narrative Film
- Documentary Post Production
- Narrative Film Post Production

Continued on next page.

Communication & Media

Continued from previous page.

Public Relations

Starts in Autumn Quarter

Gain a comprehensive introduction to the essential functions of the public relations professional. Explore the diversity of issues and responsibilities that define the profession. Sharpen your writing skills through a variety of assignments focused on public relations challenges. Examine techniques for managing relationships with a range of groups, including the media, investors, community members and legislators. Acquire hands-on experience by working on a public relations challenge with a local business or nonprofit organization or agency.

Courses:

Media Relations
Public Relations Practices and Functions
Tools and Techniques
Public Relations Writing
Public Relations Strategy
Public Relations Practicum

Technical Writing and Editing*

Starts in Autumn Quarter

Learn practical applications and fundamental concepts in technical communication. Study information design, software user assistance, editing practices, layout and production and software applications. Review the principles and practices of writing about scientific and technical topics for a variety of audiences – from subject experts to the general public. Explore grammar, style and structure in technical communication.

Courses:

Current Practices in Technical Communication
Style in Technical Communication, Classroom
Technical Editing and Document Development
Authoring and Production Tools in Technical Communication
Software User Assistance
Visual Design in Technical Communication

More Options

Enroll in a writing workshop to complement or explore our Certificate in Editing. Workshops are open to everyone and include: Proofreading, Editing Corporate Communications and MS Word for Editors.

Learn more about online courses including Introduction to Web Publishing and many undergraduate credit courses. Visit www.pce.uw.edu/online.aspx to learn more.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

User-Centered Design**

Starts in Autumn, Winter and Spring Quarters

Learn about sophisticated planning and development methods to ensure intuitive, user-friendly product development. Explore user-centered design and evaluation, usability testing and systems-based analyses. Study the latest theories and explore tools and techniques to keep user needs, desires and potential obstacles at the forefront of each stage of the design process.

Courses:

Usability Testing
User-Centered Design Processes
Seminar: Current Issues in Human Centered Design & Engineering
Visual Communication
User-Centered Web Design

Virtual Worlds (online)

Starts in Autumn Quarter

Learn to use immersive virtual environments to enhance business, social and educational interactions within all types of organizations. Examine methods for creating increasingly sophisticated virtual worlds that incorporate game theory, 3D environments and information science. Explore an emerging movement to create green workplaces by using virtual location alternatives to reduce the need for commuting and business travel. Learn exclusively in a virtual world environment through a hands-on and practical educational approach.

Courses:

Selecting and Using Virtual Worlds
Designing Virtual Worlds
Programming Virtual Worlds

Web Design with Adobe Creative Suite

Starts in Autumn Quarter

Gain an intensive, hands-on introduction to the most current version of the most popular tools used to create Websites and interactive content for commercial, professional, educational and entertainment purposes. Study Web design core concepts, including prior and emerging Web standards. Integrate Adobe's tools with accessibility standards and current best practices such as designing with cascading style sheets and ensuring accessibility. Examine effective interfaces and learn about user-centered design.

Courses:

Introduction to Web Publishing (optional)
Introduction to Multimedia Design and Production
Visual and Information Design: Digital Imaging
Multimedia Web Authoring
Web Authoring Using Flash

Degrees

Master of Science in Computing & Software Systems (UW Bothell)

Become the complete developer by learning to apply software solutions to a wide range of real-world problems, and function both as a strong team member and organizational leader. This new degree from UW Bothell offers a unique blend of core computer science subjects and modern topics that prepare software professionals to succeed in this dynamic field.

www.uwb.edu/mscss

Master of Science in Information Management

Capitalize on the industry-wide need for efficient and comprehensive information systems. This relevant and motivating program, offered by the UW iSchool, educates students in leadership, analysis and technology of information-intensive organizations. Drawing from disciplines ranging from management, computer science and information science, to philosophy, law and design, this master's program gives students practical skills supported by solid intellectual concepts.

www.ischool.washington.edu/msim

Online Master of Library and Information Science

Prepare to take an active professional role in design, management and evaluation of library information systems. This high quality, high impact master's degree from the UW iSchool aims to equip students with a solid understanding of modern approaches to information management, communications and technology literacy well matched for school, districts or higher education settings.

www.ischool.washington.edu/mlis

Professional Master's Program in Computational Linguistics (classroom or online)

Be at the forefront of scientific innovation by learning to transfer human competencies like language, communication and ideas to computers. Computational linguists develop new technology and products like predictive text messaging, dialogue software for your car, and medical devices. Offered by the distinguished UW Department of Linguistics, and steered by an advisory board that includes managers and researchers from many leading technology companies.

www.compling.washington.edu/compling

Professional Master's Program in Computer Science & Engineering

This program offers students access to the University of Washington's Department of Computer Science & Engineering's first-class faculty and curriculum in a student group that includes the best and brightest software designers and engineers in the Seattle area. Consistently ranked among the top 10 computer science programs in the country, the UW Department of Computer Science & Engineering developed this flexible, part-time master's program so you can continue to work while you advance your career.

<http://pmp.cs.washington.edu>

Professional Master's Program in Geographic Information Systems

Investigate the emerging world of geographic information systems (GIS) and discover how a system of hardware, software and data has enhanced the efficiency and analytical power of traditional cartography. Examine the tremendous range of information sources that can be combined to build a GIS database – from raw data, scanned maps and GPS positions, to aerial photography. This program prepares students to understand and apply GIS to solve complex problems in a wide range of disciplines. Support research and decision making in fields such as environmental studies, land-use planning, disaster preparedness, natural resource management and business marketing.

www.outreach.washington.edu/pmpgis

Master of Science in Human Centered Design & Engineering

Advance your communication and design knowledge with innovative techniques by studying human activity and translating that information into meaningful information designs. In addition to studying information design, usability, new media applications, research methods, theory and more, you will gain hands-on experience working closely with faculty members on specific research topics as part of directed research groups. This ground-breaking program is offered in the evening to accommodate the schedules of professionals working full time.

www.hcde.washington.edu

Computing & Information Technology

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Certificate Programs

.NET Advanced Web Development

Starts in Autumn Quarter

Discover the vital technologies that power successful Websites. Learn to create sophisticated, dynamic Web applications and services. Explore development and Web database integration using Microsoft's proven approach, the .NET platform. Develop skills in vital technologies to ensure secure communications and transactions.

Courses:

High Performance Data Integration with SQL Server

Designing and Developing Web-Based Solutions with ASP.NET

Web Services and Security Implementation

.NET Development

Starts in Autumn, Winter and Summer Quarters

Discover the tools necessary to develop applications in Microsoft .NET, including Web, Windows and Console environments. Examine how multithreading and class libraries can improve application performance. Gain a foundation of knowledge you can bring to the next level of advanced Web application development.

Courses:

Introduction to Windows and Web Applications in C#

Intermediate Windows and Web Applications in C#

Advanced Language Constructs

3D Animation for Games and Digital Media

Starts in Autumn Quarter

Discover the artistic side of the game industry and explore basic concepts and skills of three dimensional (3D) animation. Learn to create memorable, life-like characters using Autodesk® 3ds Max® and the Entertainment Creation Suite. Explore techniques for project planning, storyboarding and environmental storytelling. Study the work of industry leaders such as Pixar/Disney and DPl/DreamWorks and understand how to apply their proven practices to your own work

Courses:

Fundamentals of 3D Max and 3D Animation

Character Design and 3D Modeling

Character Animation

Project Planning, Storyboarding, Environmental Storytelling

Advanced Character Animation

Agile Development

Starts in Autumn Quarter

Learn the principles of software development that yield faster release cycles, higher quality, better teamwork and regular adaptation to changing circumstances. Focus on increasing daily cooperation between developers and businesses with rapid, continuous delivery of practical software. Develop Agile engineering skills, become a Certified ScrumMaster and Certified Scrum Product Owner through a combination of exercises, simulations, lectures and discussions.

Courses:

Introduction to Programming and

Application Development (optional preparatory)

Applied Agile Management: Certified ScrumMaster and Product Owner

Applied Agile Development and Execution

NEW! Android Application Development (classroom or online)

Starts in Autumn Quarter

Become an Android™ application developer and release high-quality apps to the marketplace. Learn about the various stages of development on the Android platform and study topics related to UI, application services, permissions and security, graphics and video resources, data persistence, monitoring tools, mobile app marketing, application hosting and more. Develop core Java development skills while you explore key concepts for building rich applications using advanced features. Learn from instructors and guest speakers working in the industry.

Courses:

Android Development Fundamentals

Interaction & Communication with Android

Application Deployment, Marketing & Entrepreneurship

Business Intelligence: Building the Data Warehouse

Starts in Autumn Quarter

Learn to transform raw data into business assets by synthesizing massive amounts of information in the forms of databases, spreadsheets, text-based documents and various internal and external communications. Improve organizational use, sharing and storage of information by planning and implementing a data warehouse project. Develop robust data and technical architecture to meet business goals.

Courses:

BI Concepts, Planning, and Implementation

Planning, Designing and Implementation of ETL Solutions

Implementing OLAP Cubes and Reporting Solutions

Business Intelligence: Techniques for Decision-Making

Starts in Autumn Quarter

Translate and manage mass-information for businesses and drive effective strategic decisions. Build mining models, perform what-if analyses and simplify data into practical visual presentations. Learn techniques to consolidate and aggregate data on customers, transactions and demographics.

Courses:

Data Analysis

Data Visualization

Data Mining

C++ Programming (classroom or online)

Starts in Autumn and Winter Quarters

Study the C++ language through a hands-on learning approach. Understand and apply object-oriented modeling and design principles to develop robust medium- or large-scale software systems. Build your knowledge base of programming concepts by learning new ones and exploring existing ones in-depth. Learn and practice good software design and test methodologies using C++ as the implementation language.

Courses:

Foundations of C++ (optional preparatory)

C++ Programming: Introduction

C++ Programming: Intermediate

C++ Programming: Advanced

NEW! Cloud Computing (classroom or online)

Starts in Autumn Quarter

Gain an in-depth understanding of cloud computing models, applications, platforms, infrastructures and technologies. Get hands-on experience in developing scalable, efficient systems for the cloud and building scalable applications. Work on projects using frameworks like Hadoop and MapReduce, which enable massive scalability for processing and analyzing large data sets. Understand the platforms of key cloud vendors as well as the decision-making process for adopting a cloud migration strategy. Learn from guest speakers that range from engineers at startups to enterprise IT managers.

Courses:

Cloud Computing Fundamentals

Cloud Computing in Action

Scalable and Data-essive Computing in the Cloud

Database Management (online)

Starts in Winter

Learn to help organizations capture, store, retrieve and analyze information in meaningful ways. Become familiar with the fundamentals of database management technology, design, development and administration. Establish new professional relationships in the database management community with instructors, guest lecturers and students.

Courses:

Database Fundamentals

Database Design and Implementation

Database Administration

Digital Forensics

Starts in Autumn Quarter

Develop the specialized skills to recover, preserve and evaluate forensic evidence to support civil, criminal and internal investigations. Focus on how to discover and document violations of computer usage in corporate and public agency settings. Learn the laws and procedures to successfully capture criminal use of the Internet, email and electronic files.

Courses:

Law and Digital Forensics

Digital Forensics Tools and Processes

Applied Digital Forensics: Case Studies

Embedded and Real-Time Systems Programming (classroom or online)

Starts in Autumn and Winter Quarters

Gain the skills to bring new, effective microprocessor-based devices to market. Learn to design, develop, test, debug and document software for embedded devices using specialized languages based on C programming and Assembly. Benefit from a practical understanding of ubiquitous embedded hardware and software – 98 percent of all processors sold today are embedded.

Courses:

Foundations of C++ (optional preparatory)

Fundamentals of Embedded and Real-Time Systems

Programming with Embedded and Real-Time Operating Systems

Design and Optimization of Embedded and Real-Time Systems

Game Development

Starts in Autumn Quarter

Learn how to develop 3D games. Explore writing code to incorporate 3D graphics, load 3D graphic models and implement sound, user interface and game play. Gain the skills to add advanced techniques, including multiplayer, skeletal animation and artificial intelligence (AI) into games.

Courses:

Game Development: Introduction & Graphics

Game Development: Advanced Graphics

Game Development: Artificial Intelligence

Game Development: Networking and Multiplayer

Geographic Information Systems

Starts in Autumn Quarter

Investigate the emerging world of geographic information systems (GIS) and discover how a system of hardware, software and data has enhanced the efficiency and analytical power of traditional cartography. Examine the tremendous range of information sources that can be combined to build a GIS database – from raw data, scanned maps and GPS positions, to aerial photography. Learn how to use the system to support research and decision making in a variety of fields such as environmental studies, land-use planning, disaster preparedness, natural resource management and business marketing.

Courses:

Geographic Information Systems Fundamentals (optional preparatory)

Geospatial Information and Technologies

GIS Data and Database Design

GIS Project Planning and Implementation

GIS Modeling and Analysis

GIS in Practice in the Pacific Northwest

Advanced GIS Analysis and Applications

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Computing & Information Technology

Continued from previous page.

NEW! Green IT (online)

Starts in Autumn Quarter

Understand how Green IT contributes to the area of sustainability and the triple bottom line of people, planet and profit. Study whole-life cycle assessment, how to create Green IT baselines and metrics to measure impact, and how to foster stakeholder engagement for transformative change. Learn about regulations and industry initiatives in both the U.S. and Canada. Develop a plan for implementing and managing change within an organization and increasing return on investment (ROI).

Courses:

Introduction to Sustainability & Green IT

Managing the Green Transition

Developing a Green IT Roadmap for the Enterprise

Information Security and Risk Management (classroom or online)**

Starts in Autumn Quarter

Manage the defense and protection of vital company information from attack using the latest technologies and strategies. Investigate the type of external and internal threats that can compromise customer data, employee personal information and digitized intellectual property. Examine effective policies for mitigating risks and learn how to implement security and remediation measures across an entire organization.

Courses:

Information Security and Risk Management in Context

Building an Information Risk Management Toolkit

Designing and Executing Information Security Strategies

Information Systems Security

Starts in Autumn Quarter

Examine comprehensive and cutting-edge protective strategies for implementing and administering organization-wide security measures. Investigate the type of threats and attacks that can compromise a company's information systems. Learn to understand and apply technical protective measures to every aspect of a business that relies on information processing.

Courses:

Foundations of Information Security

Security Tools and Technologies

Applied Security Solutions and Emerging Trends

iOS and Mac Application Development

Starts in Autumn Quarter

Learn the language, framework, processes and skills to develop quality applications for Mac OS X, used on Apple desktops and laptops, and for iOS, used on iPhone, iPad and iPod Touch mobile devices. Become familiar with Objective-C and begin developing applications in the Cocoa framework, on both Mac OS X and iOS. Gain the tools to design, build and test your applications, and to effectively market them directly and through the App Store. Expand your knowledge to include more advanced Cocoa programming skills.

Courses:

Foundations of C++ (optional preparatory)

Programming in Objective-C and the Cocoa Framework

iOS Application Development for iPhone, iPad, and iPod

Advanced iOS and Mac OS Application Development

Java Programming

Starts in Autumn and Winter Quarters

Learn the industry-standard programming language used for a wide variety of applications. Apply your new skills to branches of computing that produce smart cards, phones and super-computers. Develop a command of Java programming through object-oriented design and design patterns.

Courses:

Java Foundations (optional preparatory)

Object-Oriented Programming in Java

Application Programming in Java

Advanced Features of Java

Localization: Customizing Software for the World (classroom or online)

Starts in Autumn Quarter

Learn to create international success for businesses with key technologies and cultural adaptation. Customize the delivery of products and services in foreign markets with localization tools such as machine translation, terminology management and global content management systems (GCMS). Use your existing skills in foreign languages, project management or software to gain a solid understanding of localization project management and engineering

practices employed in this expanding field. Connect with industry professionals, instructors, guest speakers and your fellow students to learn first-hand what successful localization managers face on the job today.

Courses:

Introduction to Localization

Localization Engineering

Localization Project Management

Natural Language Technology (online)**

Starts in Summer Quarter

Explore the potential of natural language processing – a tool that helps sort and integrate data through automated human languages. Learn to bridge the gap between people and machines through predictive text messaging, speech recognition software, dialogue systems and speech prosthetics. Biomedical informatics, litigation support, media and advertising benefit from language technologies. Position yourself to meet the present and future business demands for machine translation and information retrieval.

This program is offered online or in classroom format. Local students also have option to attend on-site class sessions.

Courses:

Computational Linguistics Fundamentals

Shallow Processing Techniques for Natural Language Processing

Deep Processing Techniques for Natural Language Processing

Network Engineering

Starts in Autumn Quarter

Prepare for the specialized field of network engineering by building upon protocol and architecture concepts with hands-on lab work and network design case studies. Discover the latest in-depth technical information on subjects of current interest in network engineering. Explore the integration of new technologies via wireless networks. Learn how to select and manage vendors and study the network design and engineering skills required to support network environments.

Courses:

Network Architectures, Protocols and Standards

LAN and WAN Engineering

Advanced Network Technology and Integration

Oracle Database Administration (classroom and online combined or online)

Starts in Autumn Quarter

Learn how Oracle works and how to administer Oracle databases. Develop core Oracle skills and understand the basics of relational database management systems (RDBMS). Learn structured query language (SQL), normalization, architecture and administrative essentials. Focus on additional topics including development using PL/SQL, security, backup, recovery and performance tuning.

Courses:

Concepts, Architecture and Administrative Essentials

Application Development and Administration

Troubleshooting and Performance Tuning

Python Programming

Starts in Autumn Quarter

Discover Python's versatile programming language that is suitable for projects ranging from small scripts to large systems. Learn best practices such as version control, unit testing, other professional skills and work habits. Explore Python's large standard library that supports many common programming tasks. Acquire hands-on experience by developing a portfolio and completing a substantial and original project.

Courses:

Introduction to Programming and

Application Development (optional preparatory)

Programming in Python

Internet Programming in Python

System Development with Python

Rapid Web Development with Content Management Systems*

Starts in Autumn Quarter

Learn how to create database-driven websites using a content management system (CMS), and how to evaluate different CMS solutions. Build websites using two different open source CMS: WordPress and Drupal. Plan, design, install, implement and customize Drupal and WordPress sites. Examine the necessary and unique requirements for successfully working with clients to build professional Websites and transfer site ownership and maintenance to them. Explore approaches to managing real-world development issues.

Courses:

Introduction to Web Publishing (optional preparatory)

Building for the Web with WordPress

Drupal Site Development

Real-World CMS Deployment, Customization, and Maintenance

Ruby Programming

Starts in Autumn Quarter

Build a portfolio of Web-based and database-driven applications developed on the Ruby on Rails framework. Gain core Ruby programming competencies and leverage libraries (RubyGems) to create a wide spectrum of powerful applications. Connect and contribute to the Ruby on Rails community.

Courses:

Introduction to Programming (optional preparatory)

Ruby: The Core Language

Applications with Ruby on Rails

Advanced Topics in Ruby

Social Media Technologies & Implementation

Starts in Autumn Quarter

Learn to deploy successful social media strategies within a for-profit, nonprofit or public sector organization. Explore a broad range of social media tools and gain hands-on skills installing, customizing and managing them. Acquire a clear understanding of how to successfully use social media to market a business and communicate with customers. Develop a strategic social media plan in collaboration with other stakeholders.

Courses:

Social Media in Business

Social Media Platform and Tools

Social Media Thought Leadership: Defining a Road Map

Software Test Automation

Starts in Autumn Quarter

Add to your testing skills by learning to design and develop automated tests using the popular and simple C# programming language. Benefit from a practical and hands-on approach to developing automated test cases for increasingly complex systems. Apply your new skills to Java, Mono C, or other programming or scripting languages.

Courses:

Programming Concepts in C# for Testers

Essential Elements of Automated Test Design

Advanced Automated Test Design in .NET

Software Testing

Starts in Autumn Quarter

Learn the basics of software testing, including documentation and efficient and effective practices. Examine the language of the field, quality assurance, control processes and methodology. Discover how to design tests for various types of functionality as well as for usability and compatibility. Study all the major elements of the software quality and testing process.

Courses:

Software Quality Assurance and Process

Test Design and Tracking

Software Quality Control and Process

Continued on next page.

Computing & Information Technology

Continued from previous page.

SQL Server Specialist (classroom and online combined)

Starts in Autumn Quarter

Learn how to manage, analyze and leverage complex data using SQL databases and servers. Stay abreast of leading-edge developments and techniques. Explore an in-depth view of SQL Server in a variety of business contexts. Work on smaller applications as well as larger database projects.

Courses:

SQL Server Essentials: Concepts and Tools

Database Development

SQL Server Administration

Systems Analysis and Design (classroom and online combined)

Starts in Autumn Quarter

Learn how to assess business needs, review organizational structures, gather system requirements and translate organizational needs for the purpose of a viable IT system. Focus on the big picture by examining processes holistically – from inception to project completion. Study methodologies of effective end-user interfaces and the software development cycle.

Courses:

Introduction to Systems Analysis

Architectures, Modeling and Project Management

Systems Development and Implementation

UNIX/Linux Administration

Starts in Autumn Quarter

Learn how to plan, support and administer UNIX/Linux systems – the operating system of choice for more than 60 percent of businesses. Discover real-world solutions for systems management, data exchange, security and performance through hands-on experience. Gain comprehensive skills to efficiently and securely administer networks of UNIX/Linux machines.

Courses:

Foundations of the Unix/Linux Environment

Administering UNIX/Linux Machines

Administering Large UNIX/Linux Systems

Web Technology Solutions* (classroom or online)

Starts in Autumn and Winter Quarters

Learn how back-end server and database technologies work with front-end Web delivery to create seamless e-commerce experiences for customers. Design and build interactive, information-rich Websites with underlying databases. Create a Web interface and interactive Web documents. Understand the server environment and architecture of data-driven Web applications.

Courses:

Introduction to Web Publishing (optional preparatory)

Client-side Scripting and Design

Server-Side Programming Using PHP

SQL, Data Storage Technologies, and

Web-Data Integration

More Options

Take a course to prepare for a certificate or degree. Courses include Java Foundations, Foundations of C++ and Introduction to Programming and Application, which is designed for those new to computer programming. You can also take the courses to prepare for the Master's of Science in Computing and Software Systems. Visit www.uwb.edu/mssc.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Degrees

Danforth Educational Leadership Program

Prepare for principal and program administrator certification in this respected program for experienced teachers and school counselors. Designed collaboratively by the University of Washington faculty and educational leaders, the Danforth program offers a one-year intensive format, a residential summer institute, and a cohort structure that fosters relationships with colleagues and peers.

<http://depts.washington.edu/k12admin/danforth>

Leadership for Learning (Doctorate)

Earn your doctorate of education and prepare to qualify for the Washington State Superintendent Certificate. This Ed. D. program prepares experienced educators to become K-12 superintendents, assistant superintendents and district leaders in administration, business or finance, curriculum, special programs, staff development and human resources. Leadership for Learning also prepares aspiring systems-level leaders of educational nonprofits and networks. The Leadership for Learning program is a four-year, part-time program designed for working professionals.

<http://depts.washington.edu/k12admin/l4l/index.html>

Master of Education in Education Policy

Lead change in education by developing a deeper knowledge of policy processes, organizational dynamics, and the social, economic and cultural contexts of learning. Bridge theory with practice during an intensive internship where you'll apply your academic learning to real-world challenges. Absorb firsthand knowledge of current developments in the field and build skills to tackle critical problems within and outside the education system.

www.mep.uw.edu

Master of Education in Instructional Leadership

Are you a passionate teacher who wants to better understand and influence your teaching community? This unique master's degree, offered by the UW College of Education, is committed to empowering teachers like you with leadership skills to bring school communities together and improve learning outcomes for all students. Teachers who want advanced knowledge of leadership and classroom practice, but do not currently aspire to become principals, will benefit from this convenient, two-year, cohort-based program.

Our graduates are prepared and eager to assume emerging and critical leadership, coaching, and mentoring positions in school and district settings.

www.milead.washington.edu/mil

Master of Education in School Psychology

Prepare to play a crucial, supportive role in child development by training to become a school psychologist. This master's degree, sponsored by the UW College of Education, is approved by the State of Washington and meets requirements for initial certification (Educational Staff Associate) as a school psychologist in Washington. Also approved by the National Association of School Psychologists, graduates qualify for national school psychologist certification. The master's program also serves as the first three years of the American Psychological Association accredited doctoral program for those who wish to pursue advanced study.

http://education.washington.edu/areas/ep/deg_programs/sch_psy/index.html

Programs

NEW! Early Childhood Leadership*

Starts in Autumn Quarter

Refine and strengthen your vision for early childhood education and development. Learn to implement powerful initiatives and effective, nurturing practices in a variety of settings (schools, organizations, governmental agencies, churches, homes or community centers). Gain conceptual competencies, develop critical skills, access supportive professional networks and get real-world experience that will help transform your early learning leadership stance into action. Prepare for roles such as early childhood education director or supervisor, curriculum designer or start your own program that supports early care and education.

Courses:

Foundations of Early Childhood Leadership

Early Childhood Leadership Standards

E-Learning Design and Development (online)

Starts in Autumn Quarter

Explore approaches to e-learning, instructional designs, tools and procedures for e-learning environments. Discover how to effectively assess program content and usability. Learn the best ways to launch and manage e-learning programs. Gain hands-on experience creating a project of your choice using strategies and techniques acquired during the program.

Courses:

Designing E-Learning Environments

Developing and Managing E-Learning

E-Learning Assessment and Evaluation

E-Learning Practicum

Continued on next page.

Education

Continued from previous page.

Mathematics Education Project

Offered Year-Round

Let the Mathematics Education Project (MEP) bring customized, research-based professional development to your district. MEP offers a variety of programs in conveniently scheduled sessions throughout the school year. For more information visit <http://depts.washington.edu/matheduc> or send an email to program director Rosemary Sheffield at rsheffield@pce.uw.edu.

National Board Certification Support Program for Teachers

Starts in Spring and Summer Quarters

Reach your goal of National Board Certification with support from the UW. This program provides a one-day orientation, small group sessions led by NBCTs in your region, large group sessions to meet with fellow certificate candidates, online modules and assessment center preparation. The UW also provides support for NBCTs seeking renewal of their National Board Certification.

<http://education.washington.edu/professional/boardcert.html>

Pacific Northwest Institute on Special Education and the Law

Offered in Autumn Quarter

Attend this annual, two-day institute in Portland, Oregon for a review and updates on select legal issues that impact special education administration in public schools. Learn about recent legal decisions and interpretations of special education law and litigation from nationally recognized experts. Stay current with amendments and court cases related to the Individuals with Disabilities Education Act (IDEA). Review Section 504 of the Rehabilitation Act, the Americans with Disabilities Act, Sections 1983 and 1985 of the Civil Rights Act and other important federal and state laws that affect special education practices today.

<http://depts.washington.edu/slawd>

NEW! School District Business Leadership**

Starts in Summer Quarter

Gain strategies and skills to meet the unique challenges of fiscal and resource management in public schools. Develop the knowledge necessary to become an effective school district business leader and valued member of the superintendent's administrative team. Deepen your understanding of school district budgeting, operational affairs and stakeholder relations to ensure that your district meets its mission and goals.

Courses:

School Business Officials as Systems Leaders in K-12 Organizations

Fiscal Leadership and Resource Management in K-12 Organizations

Developing Internal and External Relationships in K-12 Organizations

School Library Professional Endorsement** (classroom and online combined)

Starts in Summer Quarter

Prepare for a leadership role in your school and district as a certified K-12 teacher-librarian. Study under expert practitioners to establish, manage and sustain a powerful, 21st century library information and technology program. Learn how to select and evaluate a range of high-quality literature, media and information services that support teaching and learning as well as a strong reading culture. Train to lead digital technology instruction and collaborate with teachers to help them integrate information technology into curriculum. Create a library and information program that ensures open access for all students and helps to achieve the instructional and literacy goals of both the school and the district.

Courses:

Administration of the School Library Media Program

Information Technology for Teaching and Learning

Information Literacy for Teaching and Learning

Collection Development

Directed Fieldwork in Leadership and Management of Library Media Programs

Catalogs, Cataloging and Classification

Information Services in K-12 Education

Integrated Instructional Technology

Secondary Special Education Endorsement**

Starts in Winter and Summer Quarters

Gain the competencies necessary to earn a Washington State Special Education Endorsement. Increase your job security by acquiring this in-demand teaching credential. Ensure success in the field through supervised experience in the classroom and learning new supporting technologies. Build connections with UW faculty and local professionals during supervised internships. Achieve your goal in a focused effort with this condensed, three-quarter, 21 credit program.

Courses:

Core Knowledge of Special Education and Knowledge of Students

Practicum Experiences in Collaboration, Professionalism, and Ethical Practice

Knowledge of Assessment, Diagnosis, and Evaluation and Knowledge of Planning, Content and Practice

Knowledge of Managing Student Behavior and Social Interaction Skills

Summer Institute for Certified Education Professionals: Evidence-Based Diagnosis and Instruction to Increase the Achievement of Students with Learning Disabilities

Offered in Summer Quarter

Gain tools and strategies to optimize scholastic achievement for all students, including students with learning disabilities. UW Professor of Educational Psychology, Dr. Virginia Berninger will deliver five full-day sessions on the UW campus. Register for one or more sessions.

http://depts.washington.edu/uwconf/summer_institute

Summer Youth Programs

Starts in Summer Quarter

Your child can enjoy the University of Washington campus, resources and expertise through UW Summer Youth Programs — unique learning opportunities tailored to all ages. Summer Youth Programs offer academically oriented camps, academies and short courses for elementary, middle and high school students. Find a summer program that will spark your child's interest.

www.summer-camp.uw.edu

Summer Spanish Institute*

Offered in Summer Quarter

Immerse yourself for two and a half weeks in a Latin American country with UW Spanish Lecturer, Maria Gillman, where you will improve your Spanish and cultivate an appreciation for the local culture. Develop a specialized Spanish vocabulary for your professional work during individual tutoring sessions with Gillman and in class with fellow teachers and scholars. Live with a local host family and explore during guided trips to sites, schools and institutions.

University of Washington in the High School

Offered Year-Round

Become trained to teach UW courses to your high school students in your classroom. Help students test their readiness for higher education and earn college credit for your class at a fraction of UW tuition. Learn to use UW curriculum, activities, texts and assessments. Strengthen the relationship between your school and the UW through this state-wide partnership. Become recognized as a UW Professional & Continuing Education Lecturer and gain access to departmental support and campus resources.

www.outreach.washington.edu/uwhs

UW Math Day

Offered in Winter Quarter

Teachers and high school students are invited to the UW to discover the exciting, practical and rewarding world of mathematics. Choose from a variety of sessions throughout the day that cover diverse applications of math such as robots, weather forecasts and code-cracking. Listen to panel discussions on the undergraduate math student experience and careers in mathematics. You can also participate in field trips to various campus laboratories and facilities to discover how math is put to use every day. Check our website in January for complete program details and to register.

World Languages Day

Offered in Winter Quarter

Bring your high school juniors and seniors to the UW to explore world languages and diversity in a fun and informal way. Presented by UW language departments, your students will enjoy this unique opportunity to open their minds to many distinctive languages and cultures from all parts of the globe. Choose from over 150 experiential sessions ranging from mini language workshops to world music, dance, storytelling and more.

More Options

Explore new research and pedagogy or prepare for board certification in one of our workshops or conferences. Learn how to become a UW in the High School Teacher. Connect with K-12 Resources at the UW. Visit our website and look under Education.

Degrees

Master's in Aeronautics and Astronautics (online)

Refine your knowledge in engineering research and sciences as you build upon your undergraduate background in aerodynamics, flight mechanics, fluid mechanics, thermodynamics, propulsion and other related subjects. Designed for working professionals, this flexible program allows you to earn your degree completely online.

www.msaa.uw.edu

Master of Aerospace Engineering (online)

Expand your aerospace engineering knowledge while also learning key concepts related to business, management, manufacturing and technical communication. This practice-oriented program is designed to be multidisciplinary, and helps engineers develop the skills to meet industry needs. Designed for working professionals, this flexible program allows you to earn your degree completely online.

www.mae.uw.edu

Master of Aerospace Engineering in Composite Materials and Structures (online)

Explore new areas of composite materials and structures, and study the aerospace engineering industry, including concepts in management, manufacturing and technical communication. Designed for working professionals, this flexible program allows you to earn your degree completely online.

www.mae.uw.edu/composites

Master's in Mechanical Engineering (online)

Refine your knowledge in mechanical engineering as you build upon your undergraduate background in aerodynamics, flight mechanics, fluid mechanics, thermodynamics, propulsion and other related subjects. Designed for working professionals, this flexible program allows you to earn your degree completely online.

www.msme.uw.edu/

Master of Medical Engineering

See page 8 for more information.

Online Graduate Program in Construction Engineering (online)

Learn to combine the engineering principles and management techniques necessary to lead major infrastructure efforts, including the construction of roads, bridges and ports. Designed for working professionals, this flexible program allows you to earn your M.S. in Civil Engineering or M.S. in Construction Management completely online.

www.coneng.uw.edu

Professional Master's Program in Electrical Engineering

Refine your knowledge in electrical engineering concepts ranging from wireless communications and electromagnetics to microelectromechanical systems. With a curriculum equivalent to the daytime program, the flexible professional master's program allows working adults to earn the same career-advancing degree.

www.ee.washington.edu/admissions/pmp/index.html

Professional Master's Program in Industrial and Systems Engineering (online)

Excel as a complex system thinker in today's global business environment and earn the same degree as students in the daytime program. Focus on systems engineering, an interdisciplinary approach to designing and optimizing successful systems that meet the business and technical needs of the user. Students have the opportunity to attend class in person or online, allowing working professionals to choose the format that is most convenient for them.

www.mise.uw.edu

Programs

Engineering Leadership** (classroom and online)

Enroll Any Quarter

Gain critical skills to become a successful technical lead, first-level manager or program manager. Learn how to understand and communicate with business professionals in your organization and acquire project management expertise and the tools needed to make data-driven decisions.

Courses:

Decision Analysis in Engineering

Project Performance

Navigating the Business Environment

Technical Leadership

Global Integrated Systems Engineering** (classroom and online)

Starts in Autumn Quarter

Gain problem-solving and analytical skills necessary to excel in today's global business environment. Focus on systems engineering, project management and finance, combined with a multi-cultural emphasis. Learn innovative techniques used by industry to design and optimize complex systems that exist across a variety of engineering disciplines.

Courses:

Global Systems Integrated Engineering

Heavy Construction Project Management** (online)

Starts in Autumn, Winter and Summer Quarters

Explore the principles of developing cost estimates for heavy construction projects and study different methods of procuring and completing construction jobs. Examine operations and techniques to improve productivity. Learn about temporary structures used on construction sites. Delve into legal issues, research methods and environmental regulations.

Courses:

Heavy Construction Estimating

Construction Procurement Systems

Temporary Structures

Construction Operations and Productivity

Infrastructure Construction** (online)

Starts in Autumn, Winter and Spring Quarters

Examine the tremendous changes in infrastructure construction and learn about advancements in materials, processes and management. Explore substances and techniques for marine, utility and pavement construction. Develop your written presentation skills by creating research papers. Investigate the primary challenges in overseeing heavy construction projects.

Courses:

Utility System Construction

Pavement Construction

Marine Construction

Construction Materials

More Options

Enroll in a short course for engineering professionals. Topics include transportation engineering (TRANSPPEED), CESCL certification, cold regions engineering and PE/FE exam preparation. Visit www.pce.uw.edu/engineering/epp/ for details. If you would like a catalog of Engineering Professional Programs, send us an email or download a digital version online. We also offer Certificates in Low Impact Development and Stream Restoration. See the Environment & Sustainability section, page 28.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Degrees

Master of Sustainable Transportation

Explore sustainable transportation planning, policy and analysis. Study the growing concern for transportation's environmental, social, energy and economic impact on our society. Develop an awareness of green transportation strategies. Learn to improve land use planning, review what makes a community livable and evaluate transportation systems effectiveness.

www.sustainable-transportation.uw.edu

Certificate Programs

Decision Making for Climate Change (online)

Enroll Any Quarter

Learn to understand the impact of climate change and make educated decisions about adapting to and minimizing its effects. Examine the causes and economics of climate change and explore possible responses and solutions. Analyze the financial, environmental and business aspects of minimization efforts.

Courses:

Climate Protection & Environmental Sustainability

Strategic Planning for Adaptation to Climate Change

Climate Literacy

Policy Responses and Options

Environmental Law & Regulation

Starts in Autumn Quarter

Examine the broad and complex field of environmental regulations and gain familiarity with key laws that influence natural resource management. Improve your understanding of agencies and organizations that create, enforce, interpret and work with environmental regulations. Study a diverse set of perspectives to appreciate the regulatory context in which environmental decisions are made.

Courses:

The Environment's Regulatory Context

Environmental Regulation: Laws and Institutions

Practicum Project in Environmental Regulation

Also offered at UW Tacoma, visit www.tacoma.washington.edu/pdc to learn more.

More Options

Enroll in a short course in environmental engineering or water resources. Courses include CESCL certification and the Wetland Delineation Intensive. Visit www.pce.uw.edu/engineering/epp for more information. If you would like a catalog of Engineering Professional Programs, send us an email or download a digital version online. Earn undergraduate credit in an online course in Environmental Science. Visit www.pce.uw.edu/online.aspx to learn more.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Low Impact Development

Starts in Autumn Quarter

Expand your technical skills with training in Low Impact Development (LID), a sustainable design approach to stormwater management. Explore the design process and implementation of LID projects and become familiar with environmental regulations that may impact execution. Learn about practical applications of LID and gain project experience by participating in field trips and a design charette.

Courses:

Foundations of Low Impact Development

Practical Applications of LID

Implementing LID Projects

Stream Restoration

Starts in Autumn Quarter

Gain ecological and technical expertise to design, implement, evaluate and manage effective stream restoration projects. Master terminology, best practices and integrated theories. Refine your skills as you collaborate with multidisciplinary design teams and apply your knowledge in field exercises.

Courses:

Watershed and Riverine Processes

Analysis and Design of Restoration Projects

Implementing Stream Restoration Projects

Sustainable Transportation: Planning and Livable Communities** (online)

Starts in Autumn Quarter

Examine the important issues involved in sustainable transportation planning. Review policies and programs that encourage mixed use and higher density levels designed to promote transportation modes other than the single occupancy vehicle. Study the impact that transportation options have on the quality of service, the environment and sustainability. Explore the movement of goods, various freight options and the strategies for making them more sustainable. Learn about the legal and legislative issues surrounding sustainable transportation policy.

Courses:

Transportation Planning and Design

Livable Communities & Design

Transportation Choices & Technology

Wetland Science and Management

Starts in Autumn Quarter

Study the physical and biological characteristics of wetlands and their functions. Understand concepts of wetland functional assessment and become familiar with different classification and sampling methodologies. Identify common wetlands by field characteristics and gain familiarity with laws for wetlands regulation and management. Conduct fieldwork and research projects on wetland identification and delineation throughout the certificate program.

Courses:

Wetland Science and Ecological Processes

Wetland Law and Policy

Landscape Understanding of Wetland Setting, Processes and Management

Restoration and Field Botany

Identification and Delineation

Degrees

Accelerated Bachelor of Science in Nursing (ABSN)

Expand your knowledge in the sciences, humanities and related professional disciplines. Prepare as a general clinical practitioner to obtain your registered nurse license in Washington state. Explore critical thinking, health and human functioning, care and therapeutics and examine health care resources. Gain experience in a wide variety of hospital and community clinics serving diverse populations.

<http://nursing.uw.edu/node/324>

Bachelor of Science in Health Informatics and Health Information Management

Prepare yourself to meet the demand for health information professionals in a dynamic health care system. Learn how to use health information systems and other technologies to manage the patient record, and improve your teamwork skills in community-based internships and projects. Courses are conveniently scheduled in the late afternoon or evening, so you can earn your degree while continuing to work.

Contact 206-543-6160, advisers@pce.uw.edu, or www.evedegree.washington.edu/edp/majors/health.asp

Doctorate in Nursing Practice

Study advanced nursing techniques, leadership, and practice-based learning and improvement methods. Qualify to apply for national certification in a selected specialty or focus on integrating practice inquiry and leadership skills. Learn to provide leadership in multiple areas, including quality improvement and systems management.

<http://nursing.uw.edu/academic-services/degree-programs/dnp/doctor-of-nursing-practice-dnp.html>

Doctor of Audiology

Prepare yourself for professional positions in medical, educational and private practice settings. Learn from nationally and internationally known department faculty and community instructors as you refine your expertise. Upon completion of this program, you will be eligible to receive the Certificate of Clinical Competence in Audiology from the American Speech and Hearing Association (ASHA).

<http://depts.washington.edu/sphsc/aud2/index.html>

Doctor of Physical Therapy

Develop your passion and skills for helping others as a physical therapist. Designed to follow the completion of a four-year bachelor's degree, this graduate professional entry-level program includes a professional seminar, a clinical clerkship and clinical internships. Upon completion of the program, you will be eligible to take the national Physical Therapy licensing exam in any state.

<http://rehab.washington.edu/education/degree/pt>

Executive Master of Health Administration (EMHA)

Excel as a leader in the field of health care delivery management with this professional degree program designed for mid-career health services professionals, including experienced managers, physicians, nurses and other clinical practitioners, who manage, or plan to manage, continuous organizational and technological change. Ranked by U.S News and World Report as one of the top ten health administration master's programs in the nation, this program emphasizes practical, hands-on experience. The executive format allows you to fit this distinguished program into your busy schedule.

<http://depts.washington.edu/mhap/emha>

Extended Master's in Public Health

Build skills to tackle today's major health challenges. Advance your career by expanding your knowledge in program development and evaluation, health promotion and education, and evidence-based research. Study the health disciplines and learn from an expert faculty and community of professionals.

<http://depts.washington.edu/hsedp>

Master's in Clinical Informatics & Patient-Centered Technologies (online)

Learn how to understand, implement, manage and evaluate the use of informatics applications in advanced patient care. Explore the range of Information Technology (IT) tools available for use in the clinical setting as well as how to efficiently and effectively integrate those tools to improve care.

www.uwclinicalinformatics.com

Master's in Health Administration (MHA)

Learn to assume progressively more influential leadership roles and prepare to create, transform and oversee significant elements of health care delivery. Gain the skills needed to manage significant elements of our local, regional and national health delivery system.

<http://depts.washington.edu/mhap/mha>

Master's in Medical Speech-Language Pathology

Gain foundational knowledge in the processes and mechanisms involved in human communication and its disorders. Distinguished by its innovative practicum during the second and third years, this program focuses on diagnosis and treatment, and includes a clinical internship and fellowship. Upon completion, you will be prepared to work as a speech-language pathologist in a variety of medical and clinical settings.

<http://depts.washington.edu/sphsc/medslp>

Master's in Public Health in Community-Oriented Public Health Practice (COPHP)

Prepare for careers as public health practitioners in community settings. Build practical skills to serve as a problem-solver, advocate and leader in addressing health problems. This program combines rigorous academic preparation with a commitment to social justice and community involvement.

<http://depts.washington.edu/cophp>

Continued on next page.

Health, Medicine & Social Work

Continued from previous page.

Master's in Nursing

Advance your knowledge of nursing, professional foundations and related sciences. Develop your own niche of nursing expertise from midwifery to healthy aging. Gain hands-on clinical experience in various challenging settings in the Puget Sound area.

<http://nursing.uw.edu/academic-services/degree-programs/mn/master-of-nursing-mn.html>

Master of Social Work Extended Degree Program

Enhance your skills as a leader and prepare to empower individuals, families and communities through your social work practice with this professional degree program. Offered through the UW School of Social Work, which is ranked by U.S. News and World Report as one of the nation's top schools of social work. Choose one of two unique advanced specializations: Multigenerational Practice with Children, Families and Elders, or Integrative Health and Mental Health Practice. Students usually are able to continue working full time throughout the first half of the program and then reduce their work hours for the second half in this part-time curriculum designed for working professionals.

<http://depts.washington.edu/sswweb/programs/msw/extdegreeinfo.html>

MEDEX Northwest: Extended Master of Clinical Health Services for Practicing Physician Assistants (online)

Prepare for a leadership role as a physician assistant by developing the skills and tools necessary to navigate the rapidly changing world of health care. In addition to studying research methods, leadership and health policy, you gain clinical experience in one of four focus areas: healthcare for rural and the medically underserved, administration and public health, academic medicine, or global health. This professional degree program is offered in partnership with MEDEX Northwest Division of Physician Assistant Studies and UW Medicine.

www.outreach.washington.edu/emchs

Postbaccalaureate in Speech and Hearing Sciences

Prepare to apply to the Department of Speech and Hearing's master's programs and earn a Bachelor of Science degree in Speech and Hearing Sciences. This postbaccalaureate program is for those who have a bachelor's degree or another advanced degree in a discipline other than speech and hearing sciences (also referred to as communication sciences or disorders).

<http://depts.washington.edu/sphsc/postbac/index.html>

Certificate Programs

Geriatric Mental Health

Starts in Autumn, Winter and Spring Quarters

Increase your understanding of the acute and chronic mental health needs of older adults. Learn to understand, diagnose and treat these special clients using the latest information and techniques. Identify innovative ways to support clients and their families and discover other community resources to help them manage and cope.

Courses:

Diagnosing and Treating Older Adults with Chronic Mental Illness

Helping Older Adults Cope with Grief and Loss

Dementia: Diagnosis and Family Support

Mood and Thought Disorders in Older Adults

Navigating through Multiple Systems in Working with Older Adults

Gerontology* (online)

Enroll Any Quarter

Gain a framework to better understand the rapidly growing population of older adults. Examine aging from multiple perspectives: the individual, family and society. Develop knowledge that will help you better serve older adults in a variety of contexts such as housing, recreation, personal care, health and wellness, business and human services.

Courses:

Social and Cultural Aspects of Aging

Psychology of Aging

The Family in Later Life

Biological Aspects of Aging

Current Issues in Aging

Health Informatics and Health Information Management*

Starts in Summer Quarter

Learn about the use of technology in the secure collection and maintenance of personal health data. Improve the delivery of health care with the latest methods and technologies for the collection, organization, use and evaluation of health care information. Understand legal, regulatory and compliance issues, and study finance management. Develop health care management and leadership skills. This certificate program is 12 months long and may be completed in one or two years.

Courses:

Disease Concepts for Managers

Organizational Theory in Health Care Organizations

Legal Concepts for Health Fields

Foundations for Healthcare Vocabulary and Code Systems

Management Concepts for Health Information Management Applications

Introduction to Health Care Systems and Health Data Systems

Healthcare Coding, Vocabulary and Revenue Cycle Management

Finance Concepts for Health Care Managers

Health Care Computer Systems and Electronic Health Records

Management Project I

Problem Solving and Decision Making in Health Information Management

Healthcare Code Systems and Revenue Cycle Management

Health Information Systems Analysis

Professionalism and Leadership

Quality Assurance and Research in Health Care

Management Project II Capstone

Healthcare Regulatory Compliance (classroom and online combined)

Starts in Autumn Quarter

Gain an overview of health care codes of conduct, ethics, laws and national issues related to health care regulatory compliance in a variety of health care settings, particularly physician clinics, hospitals and long term care settings. Study recent health care reform legislation that requires most health care providers or suppliers who receive Medicare/Medicaid reimbursement to develop compliance programs. Learn how to develop effective compliance programs, including effective auditing and monitoring. Understand the operational safeguards necessary to promote adherence to legal, regulatory and health plan program requirements.

Courses:

Foundations of Ethics and Compliance in Healthcare

Managing Financial Relationships and Incentives in the Health Care

Establishing and Maintaining Effective Compliance and Ethics Programs through Ongoing Risk Assessment

NEW! Infant Mental Health**

Starts in Autumn Quarter

Develop specialty skills and knowledge in clinical, consultation and leadership services in infant mental health. Focus your training on one of three pathways: promoting first relationships, infant-parent psychotherapy, or leadership. Learn through a hybrid of campus-based training opportunities and distance learning coursework.

Courses:

Using Infant Mental Health Approaches in Practice Settings

Infant Development and Psychopathology

Relationship-Based Mental Health Assessment of Infant and Toddler

NEW! Integrated Behavioral Health (online)

Starts in Winter Quarter

Gain the specific knowledge, skills and training necessary to integrate behavioral health care treatment into primary care and other clinical settings. Prepare for pending health care reform regarding patient-centered integrated care. Study how evidence-based integrated behavioral health care programs are significantly more effective than usual care. Learn how to lead and be a key member of a team of professionals who deliver integrated behavioral care in various medical settings.

Courses:

Integrated Behavioral Health - It Takes a Team

Clinical Skills for Integrated Behavioral Care

Applications for Specific Populations and Co-morbid Conditions

Medical Management**

Starts in Autumn Quarter

Discover how to lead successful health care organizations in a challenging environment. Gain valuable knowledge and skills in areas such as planning, organizing and implementing programs that address the needs, quality and cost-effectiveness of patient care within the rapidly changing health care environment. Learn marketing and financial strategies, techniques for improving efficiency and quality, and leadership skills. Graduate-level credit as well as 120 AMA PRA Category 1 Credits™

Courses:

Medical Practice Quality Measurement and Management

Strategic Management of Health Care Organizations

Leadership and Change Management

Health Services Financial Management

Psychological Trauma: Effective Treatment and Practice (classroom and online combined)

Starts in Autumn Quarter

Build a comprehensive understanding of trauma assessment and interventions for both children and adults as you learn from the leading clinicians and researchers in the trauma field. Explore the impact of trauma based on the unique experiences of your clients. Examine and critique innovative trauma therapy techniques. Practice specific skills in assessment, diagnosis, treatment planning and evidence-based practices. Learn how to mitigate the personal impact that may result from trauma exposure when working with traumatized individuals in your clinical practice.

Courses:

Foundations for Trauma Assessment and Treatment

Treatment Interventions for Trauma

Applications for Trauma Interventions

More Options

Earn undergraduate credit in an online course in Nutrition or Psychology. Visit www.pce.uw.edu/online.aspx to learn more.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Degrees

Bachelor's in English, Humanities or Social Sciences

Earn the degree you've always wanted! The UW Evening Degree Program offers you the personalized attention of a small school and the outstanding education of a top-ranked university. Study with renowned UW faculty full- or part-time and earn a respected UW degree with other motivated students. Join the UW community and gain access to campus resources like career advising and academic support. There's room for you and your goals in the UW Evening Degree Program.

Application Deadlines: Oct. 31 for winter quarter; Jan. 31 for spring quarter; May 15 for summer/autumn quarter; and July 15 for autumn quarter.

Contact: 206-543-6160 or advisers@pce.uw.edu for additional information.

www.evedegree.washington.edu

Certificate Programs

Genealogy and Family History

Starts in Autumn Quarter

Learn to unearth new facts about your ancestors and view the information within the political, economic and social changes that shaped communities of that time. Focus in-depth on a selected project to better understand the course of your ancestors' lives and the lives of the subsequent family members. Uncover fascinating stories not just about your past, but also about the forces and people behind societal transformations.

Courses:

Genealogy and Family History

Research Sources & Strategies

Research Seminar in Genealogy and Family History

More Options

Earn undergraduate credit in an online course in English, French, Spanish, History, Political Science, Psychology, Religion or Social Studies. Visit www.pce.uw.edu/online.aspx to learn more.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Certificate Programs

eDiscovery

Starts in Autumn Quarter

Explore how electronic data plays a central role in today's litigation process during discovery and identification of evidence. Learn how records and information management policies prepare organizations for potential litigation. Understand the laws governing electronic discovery (eDiscovery), including the consequences for failing to fulfill discovery and preservation obligations. Whether you work in a law firm or an enterprise, learn how to manage the eDiscovery process, including the tools and techniques through which electronic evidence is identified, collected and presented in the court room.

Courses:

eDiscovery and the Law

Records Management for Litigation Readiness

The Collection, Review, and Production of eDiscovery

Forensics

Starts in Autumn Quarter

Learn how evidence from a range of sources is identified, documented, recovered and analyzed using a variety of tools and techniques. Follow evidence from collection and analysis into the courtroom. Understand the rules for the admissibility of evidence in litigation, including how expert witnesses are recognized and permitted to testify.

Courses:

Evidence

Medico-Legal Investigation of Death

Law and Forensics

Guardianship (classroom and online combined)

Starts in Autumn Quarter

Discover a rewarding profession as a Certified Professional Guardian (CPG) through this 100-hour certificate program. Develop the skills necessary to be an effective guardian of developmentally disabled adults, elderly individuals with diminished capacity, adults with acquired disabilities due to trauma/stroke and other adults who have been declared incapacitated by Washington state courts.

Courses:

Guardianship Basics

Guardianship Roles and Duties

Advanced Issues in Guardianship

Paralegal Studies (classroom or online)

Starts in Autumn and Winter Quarters

Gain an understanding of the American legal system, including court systems, hearings, trials and laws. Examine legal theory and reasoning. Learn about the role of the paralegal and gain practical skills, such as litigation support.

Courses:

Fundamentals of Legal Practice

Legal Research and Writing

Litigation Basics

Business Law

Litigation Specialties

Complex Litigation

Also offered at UW Tacoma, visit www.tacoma.washington.edu/pdc to learn more.

Private Investigation

Starts in Autumn Quarter

Expand your legal and professional skills to enter or advance in the private investigation field. Learn about courts and the legal system, practices of civil and criminal case investigation and preparation and specific types of investigation.

Courses:

Private Investigation and the Law

Criminal Investigation and Investigative Techniques

Civil Investigation and the Business of Investigation

More Options

Earn undergraduate credit in an online course in communication or political science. Visit www.pce.uw.edu/online.aspx to learn more.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Degrees

Executive Master of Public Administration

Excel as a leader dedicated to serving the public good with this professional degree program that provides advanced leadership training and exposure to critical areas for senior-level roles. Study management and policy analysis with the best at the Evans School of Public Affairs, ranked in the top tier of graduate schools in public policy and management in the nation. Courses are designed to complement your current job duties by allowing you to examine real-work situations through short written projects, case studies and in-depth discussions. The executive format allows you to fit this prestigious program into your busy schedule.

<http://evans.washington.edu/executive-education/mpa>

Master of Arts in Museology

Prepare for a professional career in museum work in one of the oldest, best established and most distinguished programs of its kind. Study with interdisciplinary faculty who bring expertise from a range of specializations in the field, and gain hands-on training in curation and management of collections in anthropology, art, botany, geology, zoology and history, as well as in interpretive programs, community engagement, audience research, and museum administration through seminars and internships at regional and national museums. Many classes are held at the Burke Museum of Natural History and Culture, where you will have access to extensive museum resources.

www.museum.washington.edu/museum

Certificate Programs

Fundraising Management

Starts in Autumn Quarter

Learn to implement standard and emerging fundraising and relationship-building tools that will enhance your organization's potential. Understand the processes, vocabulary and ethics of the fundraising profession, and approach organizational interactions from a donor perspective. Become familiar with grant finding techniques and learn to identify prospects.

Courses:

Fund Development Fundamentals

Finance, Prospect Research and Grant Writing

Fieldwork for Fundraisers

Also offered at UW Tacoma, visit www.tacoma.washington.edu/pdc to learn more.

Museum Studies

Starts in Autumn Quarter

Familiarize yourself with the history, philosophy and goals of cultural institutions known as museums. Learn the processes surrounding museum collections and what goes on behind the scenes to make a museum succeed. Explore the roles of curator, conservator, director, collection manager and registrar. Conduct an individual practicum project at a local museum.

Courses:

Introduction to Museum Theory & Practice

Educational Programming in a Museum

Collection Management and Care

Exhibit Design and Planning

Engaging Community and Building Audience

Practicum

Nonprofit Management

Starts in Autumn Quarter

Develop critical leadership skills to become a successful nonprofit manager. Learn how to manage people, build effective programs and maintain a healthy and efficient organization. Explore the essentials of fundraising and financial management. Discover how to develop communication plans and public relations strategies.

Courses:

Management Essentials for Nonprofits

Leadership and Strategy for Nonprofits

Fundraising and Communications for Nonprofits

More Options

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

Degrees

Master’s in Applied Mathematics (online)

Increase your knowledge in applied mathematics and complement your area of expertise, whether your career is in engineering, manufacturing or research. This program is highly ranked nationally and allows you to earn the advanced degree that employers are seeking. Designed for working professionals, this flexible program allows you to earn your degree completely online.

www.amathonline.uw.edu

Master’s in Computational Finance and Risk Management (online)

Understand portfolio construction and asset management. Study risk over sight and computational methods. Explore traditional quantitative finance theory as well as cutting-edge techniques such as modeling and use of fat-tailed skewed asset returns distributions, downside risk management, non-linear correlations and robust factor models. Investigate open source R programming language and modeling environment for quantitative finance.

www.amath.washington.edu/studies/compfin

Master of Science in Physics

Explore electromagnetic theory and the applications of quantum physics in this evening program designed for working professionals who have an undergraduate degree in physical sciences, engineering, mathematics or computer science. Taught by full-time UW physics faculty, the curriculum includes core courses that cover both classical and quantum physics, technical courses that focus on physics instrumentation, and advanced specialized courses of particular interest to research scientists and engineers.

www.emsp.uw.edu

More Options

Looking for online options? Earn undergraduate credit in an online course in Astronomy, Statistics, Psychology, Environmental Science, Quantitative Sciences or Oceanography, or earn an online Certificate in Applied Biostatistics. Visit www.pce.uw.edu/online.aspx to learn more.

Some courses within certificate programs are available for single course enrollment. For a complete list of courses, short programs, workshops, conferences and online options, visit our website and look under Courses & Short Programs.

International & English Language Programs

Since 1977, UW International & English Language Programs has been teaching English to students from all over the world. We serve a diverse student body with a variety of popular certificate programs in different subjects, formats and delivery methods which help students at all English language levels achieve their goals. Students in our programs study with highly-trained English language professionals on the beautiful UW campus and in our downtown Seattle classrooms. We promote global understanding through exemplary instruction, support and service to our students.

Online

Take our courses from anywhere in the world and improve your English language skills in the virtual classroom.

www.outreach.washington.edu/elp/programs/online.asp

Beginning Academic English

Intermediate Academic English

Advanced Academic English

English for Academic Writing

Beginning English for Writing in Science & Industry

Intermediate English for Writing in Science & Industry

English for Business Writing

Evening/Weekend

Pursue your English studies conveniently in the evening, while you maintain your daytime commitments.

www.outreach.washington.edu/elp/programs/eve.asp

Advanced Conversation

IELTS Preparation

TOEFL Preparation

Summer and Specialized Daytime Intensive

In a short period of time dramatically improve your English language skills, prepare for future academic studies taught in English, enhance your study abroad experience, or perfect your English language teaching skills.

www.outreach.washington.edu/elp/programs

Language and Culture STEP

Orientation to Academic Skills STEP

Advanced Academic Preparation Skills (AAPS)

Summer Institute in English for Business & Law (SIEBL)

International Teaching English as a Foreign Language (I-TEFL)

International Studies Academic Year Abroad (ISAYA)

Osher Lifelong Learning Institute at UW

The Osher Lifelong Learning Institute at the University of Washington (OLLI-UW) invites adults over 50 to come together to share intellectual interests in a lively learning environment and enjoy social and cultural activities together.

Choose from a variety of courses, workshops and special events led by current and retired faculty from the UW and other universities, as well as experts from OLLI-UW and the Puget Sound community. The affordable membership gives you the opportunity to explore and discuss thought-provoking subjects and to exchange ideas with your peers. OLLI-UW courses are noncredit, with no tests, grades or papers to write. Classes are offered in Seattle, Redmond and Everett.

Learn More

For more information, visit our website at **www.osher.washington.edu**, call us at 206-685-7372 or email osher@pce.uw.edu.

Join Today

It is easy to become an OLLI-UW member. You can join over the phone or by mailing or faxing the membership form found on our website. Visit us online to learn more.

Classroom Locations

Bellevue Campus

UW Professional & Continuing Education
2445 140th Avenue NE, Suite B-100
Bellevue, WA 98005

Bothell Campus

University of Washington
18115 Campus Way NE
Bothell, WA 98011

Downtown Campus

UW Professional & Continuing Education
1325 4th Avenue, Suite 400
Seattle, WA 98101

Seattle Campus

University of Washington
Seattle, WA 98105

General Information

Inclement Weather/Emergencies

The University is closed and class meetings are cancelled only under extreme weather conditions or emergencies. For information about the cancellation of classes, call 206-547-INFO or 206-897-8939, or visit www.KeepLearning.uw.edu.

Student Resources

Please visit www.pce.uw.edu/resource.aspx for general information, holiday closures and details on registration and student policies.

Tax Credits (Tuition/Fees)

Eligible U.S. taxpayers may claim a tax credit of up to \$2,000 for UW Professional & Continuing Education courses.

For more detailed information, please refer to IRS Publication 970, "Tax Benefits for Higher Education."

University of Washington Professional & Continuing Education

Registration Office

4311 11th Avenue NE, Suite 100
Seattle, WA 98105

Phone: 206-897-8939

Toll-free: 800-506-1325

TDD: 206-543-0898

Fax: 206-685-9359

Hours: Mon -Fri, 8 a.m. -5 p.m.*

* Extended hours may be available. For more information visit www.KeepLearning.uw.edu.

Metered parking is available in the building garage (entrance is on 11th Avenue NE). There is also metered street parking near the building.

Equal Opportunity

The University of Washington reaffirms its policy of equal opportunity regardless of race, color, creed, religion, national origin, sex, sexual orientation, age, marital status, disability, or status as a disabled veteran or Vietnam era veteran. This policy applies to all programs and facilities, including, but not limited to, admissions, educational programs, employment, and patient and hospital services. Any discriminatory action can be a cause for disciplinary action. Discrimination is prohibited by Presidential Executive Order 11246 as amended, Washington State Governorial Executive Orders 89-01 and 93-07, Titles VI and VII of the Civil Rights Act of 1964, Washington State Law Against Discrimination RCW 49.60, Title IX of the Education Amendments of 1972, State of Washington Gender Equity in Higher Education Act of 1989, Sections 503 and 504 of the Rehabilitation Act of 1973, Americans with Disabilities Act of 1990, Age Discrimination in Employment Act of 1967 as amended, Age Discrimination Act of 1975, Vietnam Era Veterans' Readjustment Assistance Act of 1972 as amended, other federal and state statutes, regulations, and University policy. Equal Opportunity and Affirmative Action compliance efforts at the University of Washington are coordinated by the Office of Equal Opportunity and Affirmative Action, University of Washington, 231 Gerberding Hall, Box 351240, Seattle, Washington, 98195-1240, telephone 206.543.1830 or email eoaa@u.washington.edu.

Release of Information

The Family Educational Rights and Privacy Act (FERPA) of 1974 protects the privacy of your education records. However, certain information is considered public or directory information and may be released to anyone unless you inform the Office of the Registrar that you do not wish any information released. For complete information, visit: www.washington.edu/students/reg/ferpa.html.

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