



UNIVERSITY OF DELAWARE
**PROFESSIONAL &
CONTINUING STUDIES**

SPRING 2024

PROGRAMS AND COURSES

THE POWER OF LIFELONG LEARNING

From pre-college to post-retirement,
lifelong learning has the power to transform lives

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THE POWER OF LIFELONG LEARNING

UD PCS helps transform lives

If you are interested in career advancement, personal development, mental health, civic engagement or personal connections, there is a pretty good chance you are either one of the 73% of American adults who consider themselves lifelong learners or are a strong candidate to raise that percentage even higher.

As you will read in a few pages from here—and indirectly throughout this publication—lifelong learning is the continuous and self-motivated pursuit of knowledge and skills at all stages of life. Driven by a growth mindset, a curious nature and the joy of new experiences, lifelong learners take a variety of routes to satisfy their quest for knowledge and the countless benefits that accompany it.

For more than 70 years, the University of Delaware Division of Professional and Continuing Studies (UD PCS) has proudly been providing numerous pathways to lifelong learning. Thanks to the classes and customized learning programs offered by our noncredit team; academic advisement, career exploration and counseling, and credit registration assistance from our **ACCESS Center**; and the opportunities for friendship, social engagement and learning presented by our **Osher Lifelong Learning Institute (OLLI)**, we are the adult and nontraditional learners' portal to the University of Delaware.

Throughout this guide, you will read how lifelong learners come to us for a wide range of purposes. They choose UD PCS to discover how to make beer brewing a career (**Foundations of Brewing Science and Brewery Operations**), to learn the three V's of project management (**Project Management Certificate**), to create engaging online learning experiences (**Instructional Design Certificate**), or to enjoy the camaraderie of fellow age 50-plus members (**Osher Lifelong Learning Institute**).

In response to the needs and interests of our lifelong learners, we are always looking to update our offerings and concurrently introduce relevant options. Wherever you are in your career and life, you might benefit from our new **Mindfulness-Based Stress Reduction** course that is designed to teach self-awareness strategies that allow for reduction of stress and more fully reasoned and wise decision making.

Another way we try to help you keep your stress level down is by offering **financial assistance resources and discount options** whenever we can. In addition to scholarships, we have payment plans as well as discounts for early registration, active military members and veterans, memberships in business associations, groups of two or more, and UD students and alumni.

From pre-college to post-retirement, lifelong learning has the power to transform lives. While we take great pride in operating by our official name of the University of Delaware Division of Professional and Continuing Studies—unofficially—you can also call us **UD's home of lifelong learning**.

Please do not hesitate to contact us with any questions you have about how we can help you continue to be, or become, a lifelong learner.

All of us on the UD PCS team wish you and your families a safe and healthy new year!

What can UD do for you?



In this issue...

2 ACADEMIC ADVISEMENT AND CAREER COUNSELING (ACCESS CENTER)

13 SPRING COURSES & PROGRAMS

13 Business & IT

19 Drone Training

19 Education

21 Engineering & Science

22 Food & Hospitality

23 Healthcare/Wellness

24 Interdisciplinary

24 Law

25 Liberal Arts

25 Pre-College

26 Public Administration

27 Test Prep

28 PROGRAMS-AT-A-GLANCE

Summary grid for quick course schedules and details

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Standard Noncredit Refund Policy: If a program is canceled by the University, a full refund is provided. A refund, less a \$75 processing fee, will be given to anyone who withdraws from a program if written notice is received by Professional and Continuing Studies via mail, email, or fax two full business days prior to the program start date. No refunds will be awarded for withdrawals made less than two full business days before the program start date or after the program has started.

If a course, program or event lists a specific refund policy or deadline on its program webpage or registration form, then the program-specific policy supersedes the general policy listed on this page.

Credit Tuition Refunds and Course Drop/Add: For details about course drop/add, course withdrawal, or tuition refund for UD credit courses, visit pcs.udel.edu/dropadd.

POSTMASTER: Send address changes to Division of Professional and Continuing Studies, University of Delaware, Newark, Delaware 19716.

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The University of Delaware's Division of Professional and Continuing Studies (UD PCS) provides educational opportunities for anyone seeking to begin or complete their college career, enhance their professional skills or enrich their personal life. UD PCS also provides customized training and educational services to area businesses, organizations and professional associations.

As the adult and nontraditional learners' portal to the University of Delaware, UD PCS serves thousands of students each year through UD credit courses and degree offerings, professional development courses, certificate programs, workshops and lifelong learning member cooperatives throughout the state.

Through UD PCS, the University of Delaware extends its vast resources, research, technology and knowledge to the community, the region and the world. UD PCS provides:

- Academic advisement and career counseling
- Credit courses and degree completion
- Customized learning and executive education
- Lifelong learning opportunities
- Pre-college programs
- Professional development programs and courses
- Online learning opportunities through UD Online

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The UD Professional & Continuing Studies ACCESS Center

Academic advisement, credit registration, and career exploration and assessment

The ACCESS Center provides free academic advisement, career exploration and assessment, and credit registration assistance. Advisors are available to help you achieve your educational and career goals.

ACCESS Center services and resources include:

- Academic advisement for new or returning students, including assistance with course/program selection and registration.
- Career exploration and counseling, including administration of career inventories.
- Unofficial transcript evaluation and curriculum review for prospective transfer students.
- Assistance with the University's admission and readmission processes.
- Information regarding UD resources and student services.
- Information on University policies and procedures.

Explore your options! Contact the ACCESS Center to schedule an appointment.

Email: access-advise@udel.edu · Phone: 302-831-8843
pcs.udel.edu/access

Credit courses and degree completion

Whether you are a high school student seeking the challenge of college coursework, an adult looking to start or complete a degree, or someone interested in taking individual courses for personal, educational or professional enrichment, you may take UD courses as a non-degree student. You do not need to be admitted to the University to get started. As long as you meet the course requirements or prerequisites, many University courses are available to students not currently admitted in a degree program, and a variety of courses are offered online and in the evening.

- The spring semester begins **February 5**.
- For the latest information regarding the UD academic calendar, consult udel.edu/registrar/cal.
- Ready to search for a course? Visit udel.edu/courses.
- Ready to register? Visit pcs.udel.edu/registration.
- For questions, advisement or assistance with registration, contact the Professional and Continuing Studies ACCESS Center at access-advise@udel.edu or 302-831-8843.

Over-60 free tuition benefit for Delaware residents admitted in an undergraduate or graduate program

If you are a Delaware resident age 60 or older, you may pursue a University of Delaware degree without paying tuition. You must apply and be accepted (matriculated) to qualify. Visit pcs.udel.edu/60-tuition-free-degree.

For more information, contact the Professional and Continuing Studies ACCESS Center at access-advise@udel.edu or 302-831-8843.

Lifelong learning opportunities

The University of Delaware hosts Osher Lifelong Learning Institute (OLLI) programs in New Castle, Kent and Sussex counties and online for adults to enjoy classes, teach, exchange ideas and learn together. Try out a new language, meet with a passionate discussion group or revisit your favorite areas of study from the comfort of your home, or on location. These volunteer-based academic cooperatives offer hundreds of courses each year, with no grades or exams and no educational prerequisites.

See pages 8–9 for details.





Customized learning

UD PCS is a leader in providing customized education programs to help your organization achieve its strategic training and employee professional development goals. Programs are developed by leveraging the best research-based and applied knowledge for your organizational needs. UD's customized learning team will provide support with every aspect of a program from conceptualization through implementation.

Customized learning and organizational training

Customized training programs are tailored to your organization's needs and can be delivered online, on-site or on campus for a cohort sized to your particular need.

A wide variety of topics are available from our portfolio of programs designed for an evolving workforce, including business, healthcare and other fields, as well as executive education programs that meet the specific needs of your organization. University of Delaware faculty and external subject matter experts provide exceptional learning opportunities for your team. Programs are customized to your company culture and can be developed from the ground up when a need arises in a specific training area not readily available.

Comprehensive instructional design and course delivery solutions

Our strong knowledge of instructional design techniques, technology applications and adult learning styles enables our educators to produce and deliver classroom-based and online programs tailored to your needs.

Professional executive coaching

We help organizations develop employee strengths, address challenges, improve productivity and increase job satisfaction. We design new or enhance your existing coaching programs, including professional and executive-level services. Customized learning is followed by a post-training survey to ensure outstanding learning outcomes.

Benefits to your organization

Trusting your organization's professional development to UD enables your employees to focus their efforts on core business issues that affect your bottom line.

Other benefits include:

- Strengthening your workforce through proven leadership programs.
- Optimizing work processes and increasing employee retention.
- Gaining a UD-backed credential and digital badge upon training completion.
- Improving relationships through diversity, teamwork and communications programs.

Learn more at pcs.udel.edu/customized, or contact Laura Valadakis at lval@udel.edu.

Professional development programs and courses

UD PCS offers a variety of ways for you to build your credentials and move ahead in your career. Certificate programs, seminars and short courses provide you with practical knowledge and skills as well as resume-building credentials. Our faculty and adjunct instructors combine strong academic backgrounds with extensive real-world experience.

Programs include:

- **Business and IT**—Business Analytics, Cybersecurity, Digital Marketing, Microsoft® Excel, Nonprofit Leadership, Project Management, Sales Development Science, Sales Operations Science, Self-Paced Programs, Social Media Marketing
- **Drone Training**—Ground School and FAA Part 107 Test Prep
- **Education**—Instructional Design, UD Montessori Teacher Residency
- **Food and Hospitality**—Brewing Science and Brewery Operations
- **Healthcare**—Clinical Trials Management, Mindfulness, RN Refresher
- **Law**—Paralegal, LSAT Prep
- **Pre-College**—UD Dual Enrollment, SAT/ACT Prep
- **Test Preparation**—ACT, GMAT, GRE, LSAT, SAT, Praxis

See pages 13–27 for complete program listings.

Online learning opportunities through UD Online

The University of Delaware offers a wide variety of undergraduate and graduate credit courses online, from liberal arts to sciences—as well as more than 25 degree programs, certificate programs or professional development programs—and more are developed every year. Ranging from an associate in arts to an MBA or an M.S. in mechanical engineering, online programs from the University of Delaware are ideal solutions for students and professionals seeking to advance their education while accommodating their busy schedules.

THE POWER OF LIFELONG LEARNING

Lifelong learning is the continuous and self-motivated pursuit of knowledge and skills at all stages of life.

By Lisa Walenceus

73% of American adults consider themselves lifelong learners. 63% of working adults have taken a course or received additional training as lifelong learners to improve their job skills or expertise connected to career advancement. – *Pew Research Center*

People choose to be lifelong learners for many reasons – here are just a few!

- **Career advancement**

The professional landscape is always evolving, and becoming a lifelong learner allows you to adapt quickly to changes.

- **Personal development**

Lifelong learning can help you discover new interests and passions, expand your horizons and challenge you to develop new skills.

- **Mental health**

Lifelong learning can stimulate your brain, improve your memory and reduce the risk of cognitive decline.

- **Civic engagement**

Lifelong learning can help you become a more informed and engaged citizen, ready to participate in social and political issues.

- **Personal connections**

Lifelong learning can provide you with opportunities to meet new people, build relationships and network with others who share your interests.

WHAT DRIVES LIFELONG LEARNING?



A GROWTH MINDSET

A growth mindset is the belief that you can develop abilities and talents, both new and old, through hard work, effort and learning.

People with a growth mindset seek out new challenges as opportunities.



A CURIOUS NATURE

Curiosity is the natural quality of an inquisitive, wondering and playful mind: It fosters creativity, innovation and problem-solving skills.

Curious people are not afraid to experiment and to learn from mistakes.



THE JOY OF NEW EXPERIENCES

Research has shown that dopamine, a neurotransmitter that gives you a sense of pleasure, reward and motivation, accompanies new experiences.

People who seek out new experiences find a greater sense of well-being.

PERSONAL LEARNING OPPORTUNITIES

American adults who pursued personal learning opportunities say that their experiences:

- 87%** Helped them feel more capable and well rounded
- 69%** Opened them up to new perspectives about their lives
- 64%** Helped them make new friends
- 58%** Made them feel more connected to their local community
- 43%** Prompted them to get more involved in career opportunities

“THE MIND, ONCE STRETCHED BY A NEW IDEA, NEVER RETURNS TO ITS ORIGINAL DIMENSIONS.”

— RALPH WALDO EMERSON

“MUCH OF WHAT I STUMBLED INTO BY FOLLOWING MY CURIOSITY AND INTUITION TURNED OUT TO BE PRICELESS LATER ON.”

— STEVE JOBS

PROFESSIONAL LEARNING OPPORTUNITIES

American adults who participated in professional learning opportunities say that their experiences:

- 65%** Expanded their professional networks
- 47%** Helped them advance within their current company
- 29%** Enabled them to find a new job with their current employer or a new one
- 27%** Helped them consider a different career path

Source: Pew Research Center



RAISE A TOAST TO BLUE HEN BREWERS

UD Foundations of Brewing Science course is opening entry-level doors

By Eric Ruth

Not too long ago, John Cordrey looked back at where he'd been, and knew he needed to think about where he really wanted to go.

Teaching had been his career, but now he craved a different kind of challenge, one where the work was hands-on, the people were passionate, and job satisfaction is measured by the barrel.

He found it at the place where his career journey had started: back at the University of Delaware, in an innovative live-online course called the Foundations of Brewing Science and Brewery Operations. Today, the 2011 political science alumnus is content again, surrounded by chilly vats of beer, coaxing magic out of mashed-up grains.

"It was a great course, and I was very sad to see it end," he said of the 10-week live-online course, offered each fall and spring by UD's Division of Professional and Continuing Studies (UD PCS).

Sometimes, his beer-making job at Wilmington Brew Works doesn't really seem like work at all — and in a way, neither did the course. It's filled with deep-dive science and real-deal academic rigor, but it's also designed to give aspiring brewers a smoother entry-level pathway into a fast-growing industry, even as they work their "day jobs."

For Cordrey, the course gave him just the credentials he needed for stepping from "front of the house" operations to the brewery itself. Course work in "cold side" procedures and beer chemistry gave him just the right skills to earn the role.

It's an ideal program for workers seeking fresh careers, but it's also designed to give casual home brewers next-level skills, said Brad Adelson, the expert brewmaster who instructs the participants in his off time.

Adelson spent months designing a curriculum: Chemical concepts reveal the molecular complexities of fermentation, and process-focused lectures stress beer's temperamental nature and its demands for gentle nurturing. Throughout the course, the commercial realities of an otherwise fun-centric product bubble to the top of the syllabus.

"We talk about where the brewer can help the brewery not only in a quality way, but in a financial way," said Adelson. "We show them, where is the opportunity here to save money while maintaining quality?"

That's just what brewmasters like to hear when the labor market is tight, and the economy seems uncertain. Craft brewers enjoyed double-digit growth in the 2010s, and U.S. totals increased fivefold from 2000 until the pandemic struck, though recent months have softened outlooks somewhat.

"When I got into the industry in 2014,

I think there were 3,000 craft breweries in the country," Adelson said. "Now, I think we're approaching 10,000." Delaware has leapt from just seven craft breweries in 2007 to 37 in 2022.

Some of those in-demand Delaware beers flow out of breweries owned by Blue Hens. They're surely seeing success these days, but know that success in a crowded market depends on employees with rigorous knowledge of the brewing process.

"There are dozens and dozens of large factors and probably hundreds of little factors," UD alumnus Jimmy Vennard, co-founder of the Autumn Arch Beer Project in Newark, said. "There's pretty deep applied science to brewing."

As a UD chemical engineering graduate, Vennard wasn't too intimidated by the science, but knows it can be tricky finding capable brewers.

"I was glad to see UD started a program on this," Vennard said. "This program will definitely be an asset to the Delaware brewing community as a whole. It's a cool opportunity to combine passion and knowledge, and get your foot in the door of the brewing industry."

Participants must be at least 21 years old. For more information, visit pcs.udel.edu/brewing, email continuing-ed@udel.edu or call 302-831-7600.



THE THREE V'S OF PROJECT MANAGEMENT

Course instructor brings 20 years of industry expertise to virtual classroom

By Lisa Walenceus

The job outlook for project management professionals is strong: 2.3 million people will need to enter project management-oriented employment (PMOE) every year through 2030 just to keep up with global demand, according to the Project Management Institute (PMI). PMI also found that the average salary of \$111,399 for PMOE jobs in 2021 was almost twice the average for non-PMOE jobs.

Ryan Crawford, who taught his first class with the University of Delaware Division of Professional and Continuing Studies (UD PCS) Project Management Certificate program last spring, encourages people to take advantage of the current market by making project management part of their professional development.

"Whether you are using project management as an entry point to a different career or using it to strengthen your current career path, you will see three benefits that I call the 'three V's,'" explained Crawford, who brings nearly 20 years of project management office development, portfolio management and program and project management experience in the financial, technology and healthcare industries to his virtual classroom. "You will have 'visibility' within your organization because you'll work with people, processes and technology across departments, and



sometimes even across companies. You'll also have 'variety' because projects are time-bound, so there's always something new on the horizon."

"But the most important benefit project management brings is 'value.' No matter the scale of the project, the goal is always to deliver a product that is of value to your stakeholders, and that's your value to your organization."

Crawford serves as corporate director of ChristianaCare's Enterprise Portfolio Management Office (EPMO) where he sees the "three V's" at work every day. In this job, he works with a diversity of people, from executive leadership to frontline project managers, to lead the centralized governance and management of the healthcare organization's strategic portfolio of projects.

"My work can involve anything from expanding into new markets or breaking ground on a new hospital to introducing a

new health service to the community," he said. "While these projects are very different, we always aim to leverage a consistent methodology to ensure value delivery. And we share an ultimate goal—making the best care possible available to the people we serve."

It's Crawford's passion for delivering value that brings him to teaching project management. "I love my profession and I want to give back to it," he said. "Too many people have had bad experiences with project management because it's often confused with administrative tasks or tools—projects should not be led like that. Yes, you have to do schedule, scope and budget, but the point is to work together to find optimal solutions and then lead people to the desired results. I want to make sure people in the field understand why it's important to be a 'people-first' leader, something I practice in my own work."

Learn "use-it-next-day" skills to enhance your work

The Project Management Certificate program will build your understanding of the role and functions of the project manager and Scrum Master and show you how to plan and manage projects using tools like Work Breakdown Structures, Gantt charts and Agile ceremonies.

Learn more about the certificate program at www.pcs.udel.edu/project.



AN EAGERNESS AND ENTHUSIASM FOR OLLI

A conversation with new UD OLLI Director
Karen Asenavage Loptes

By Nora Zelluk

As the new director of the University of Delaware's Osher Lifelong Learning Institute (OLLI) program for adults age 50-plus, Karen Asenavage Loptes arrives to the role from a diverse career in international and higher education, including more than 12 years at UD's English Language Institute (ELI) as associate director and director of academic programs.

From the start, she was enthusiastic about the opportunity to combine her interests in education, lifelong learning, volunteerism and community engagement. Her first week featured a whirlwind of public open house events at each of OLLI's program locations in Dover, Lewes, Ocean View and Wilmington, closely followed by the start of OLLI's fall semester with more than 2,000 members participating in on-site and online classes.

Animated by the opportunity to play a leading role in championing and expanding UD's lifelong learning program across Delaware, Asenavage Loptes sat down with us to share her passion and vision for OLLI's present and future at UD.

What excites you most about UD's lifelong learning program?

"First and foremost, it's the people, and the opportunity to lead and support a program that serves people in their third act of life. Our classroom buildings are simply buzzing with enthusiasm. People are talking about their classes, engaging in conversation and discussion about important topics, making music and art together.

"I am constantly amazed at the background, expertise and humility of UD's OLLI members and volunteers throughout the state. They're the heart of this program.

"And with OLLI's organizational structure as a volunteer learning cooperative, I really value the commitment and hard work that's shared between our dedicated UD OLLI staff and OLLI's member-led council and volunteers."

Do you see opportunities for increased collaboration between OLLI and the larger UD community?

"OLLI already has had creative collaborations with many faculty, staff, students and programs at UD, and I'm looking to strengthen and build those connections even further, while telling OLLI's story.

"I think we have opportunities for even more intergenerational collaboration and programs—opportunities that allow for increased exchanges between 'younger' UD students, faculty and researchers, and the so-called 'older' OLLI community, who offer such vast expertise, experience and enthusiasm. There is so much more potential



for the exchange to happen not just in one direction, but in both directions, from mentoring to research participation to sharing knowledge and experience."

How can OLLI contribute to lifelong learning opportunities in Delaware?

"Delaware is a great state, and it's a really good state to retire in. We have a perfect mid-Atlantic location, beautiful beaches, fascinating history, great colleges and universities. Delaware's retirement-age population is growing, and UD's OLLI program is a real gem for our state.

"As one of the first and largest lifelong learning programs in the entire U.S., we have an unprecedented opportunity to provide the educational connections and learning opportunities for growth and development for this burgeoning population, and to be known as the university and the state that embraces and supports fully engaged aging.

"And it's not meant to be an exclusive club; it's meant to be for everyone. We are working together to expand scholarships, expand diversity, expand membership and expand opportunities to share in the benefits of lifelong learning."

What drives your interest in and commitment to lifelong learning?

"We've all had recent experiences with isolation and stress during the pandemic, and many older Americans experienced isolation long before that. At a recent OLLI open house, a couple came in and were so emotional and happy to be back at OLLI with friends and taking classes post-pandemic. My own mother and uncle died recently. These experiences bring a renewed under-

standing of the value of our lives at every age and the importance of sustained connection and engagement with others.

"Research tells us that when people stay engaged that they live longer, healthier lives. It's time for a renewed focus on how we can extend the opportunities of belonging and lifelong learning to an even larger community around us, at UD and Delaware and beyond."

UNIVERSITY OF
DELAWARE



Join us at OLLI for fun,
friends and learning

Dover | Lewes | Ocean View
Wilmington | Online

OLLI is a volunteer-based, educational cooperative for adults age 50-plus, offering classes in history, art, sciences, entertainment, international affairs, literature, music, tai chi, dance and much more.

- Over 300 in-person and online classes
- Registration starts January 4; classes start February 5
- Learn more at an open house—
January 8 in Lewes
January 9 in Wilmington
January 10 in Ocean View
January 11 in Dover

OLLI.UDEL.EDU

FUNDING AVAILABLE FOR NONCREDIT PROFESSIONAL DEVELOPMENT

The Delaware Department of Labor's **Elevate Delaware** program helps fund professional development and training opportunities for individuals and employers. If you meet program eligibility requirements, you could complete a UD professional development noncredit program at no cost to you!

With \$1.5 million allocated to Elevate Delaware, the program is available to individuals who work in Delaware for organizations with fewer than 51 employees. "The Elevate Delaware program provides an excellent

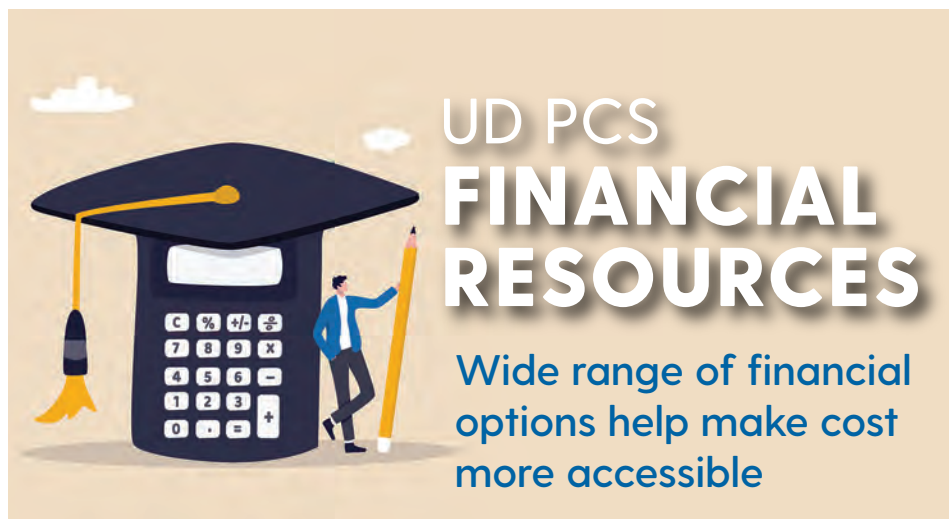
The logo for Elevate Delaware features the word "ELEVATE" in white above "DELAWARE" in blue, with a small blue triangle icon to the right of "ELEVATE".

**Focused on Delaware
small businesses &
their employees**

opportunity for individuals to obtain significant funding to help meet their professional development goals, as well as for employers to obtain support for training and development for their staff and team members," said Vic Wang, director of UD PCS noncredit professional programs.

Providing up to \$10,000 to eligible individuals enrolling in approved noncredit professional development programs, funding may also be available to help Delaware organizations build and facilitate customized UD professional development courses for their employees or members.

For details, visit pcs.udel.edu/elevate-delaware.



The University of Delaware's Division of Professional and Continuing Studies (UD PCS) is committed to helping make the cost of participating in continuing and professional education programs more accessible for everyone. Many students enrolling in credit classes and noncredit programs may be eligible for the following financial assistance, resources and discount options.

Scholarships and financial aid

Partial scholarships based on financial need are available for nonmatriculated UD credit students, and for participants in many UD PCS noncredit programs. Eligibility is confirmed through an application process. For details, visit pcs.udel.edu/scholarships.

External scholarships may also be available for Continuing Education students. Students may explore potential opportunities through the information and links provided by UD's Office of Student Financial Services. Learn more at pcs.udel.edu/scholarships.

A special need-based scholarship, offered by UD PCS, is available for students enrolling in ACT, SAT, GMAT, GRE or LSAT test prep programs. For details, visit pcs.udel.edu/test-prep.

Discount options for noncredit programs and courses

Several discount options are available for UD PCS noncredit and professional development program registrations, including discounts for early registration, UD alumni, UD students, veteran or active duty military, group discounts for registrations of two or more from the same organization, and some business and organizational membership discounts, such as the Delaware State Chamber of Commerce and more. Learn more at pcs.udel.edu/financial.

Veterans benefits

Select UD PCS professional development programs are approved for VA funding, subject to individual benefit eligibility, which may include service members, veterans, spouses and other family members. Currently, the approved noncredit programs include Clinical Trials Management (page 23), Project Management (page 15), Paralegal (page 24) and RN Refresher (page 24).

All University of Delaware undergraduate and graduate programs are approved by the Delaware State Approving Agency for training of veterans. Students must be admitted UD students to apply their veterans benefits to earn a degree. For details, visit pcs.udel.edu/veterans.

Installment payment

A credit card installment payment plan is available for selected noncredit professional development programs. Also, installment payment is available for UD credit tuition payment in the spring and fall semesters. An installment fee is charged. For details, visit pcs.udel.edu/financial.



CRAFTING IMPACTFUL LEARNING EXPERIENCES

Instructional Design certificate helps meet online learning needs

By Lisa Walenceus

When she joined the University of Delaware Division of Professional and Continuing Studies (UD PCS) digital learning team in 2016, Aviva Heyn had no idea how significant her work would become. One of her first projects was updating the RN Refresher online course, a UD PCS certificate program designed to prepare nurses who have been away from the profession to be licensed again. This certificate program was made critical by the shortage of nurses during the COVID-19 pandemic.

“Upgrading the PCS RN Refresher online program was an enormous undertaking,” Heyn explained. “The course had something like 30 instructors and a huge number of instructional assets, including a large number of recorded lectures. Over the years, we’ve streamlined it and added new features, like interactive story-based scenarios to help people apply what they’re learning.” The RN Refresher program has provided over 200 nurses with a path to return to the field since the 2020 shutdown.

Her latest project for UD PCS is an Instructional Design Certificate program to introduce people to the world of

“Online learning markets are emerging in any field where internal or external training is provided.”

—Aviva Heyn
Director, Digital Services

instructional design and prepare them to use learning theory and multimedia tools to create engaging online learning experiences. COVID-19 also impacted this new work, with the unprecedented shutdown of classrooms during the pandemic

making online instruction a necessity.

“While concerns about the pandemic have receded, that experience demonstrated to a lot of people how effective online instruction can be — and interest in online learning remains high in many industries,” she said. “Our certificate program is designed to prepare people as instructional designers in less than a year because, now more than ever, we need instructional designers who can craft impactful, engaging online learning experiences.”

Heyn, who serves as the director and lead instructor for this program, continued, “We recognize that online learning markets are emerging in any field where internal or external training is provided, like education, healthcare, banking and lending, or enterprise software and network solutions, so we wanted this certificate program to help people who have an interest in taking advantage of these opportunities.”

Designed for career transition to instructional design

This online professional development Instructional Design Certificate program includes three courses: Foundations of Instructional Design, Curriculum Development for Instructional Design, and E-learning and Course Development for Instructional Design. Digital badges and digital course completion certificates are available as immediately delivered credentials that participants can display on their social media accounts as they progress through the program. As students complete these courses, they create content suitable for an optional professional instructional design portfolio that demonstrates their proficiency in graphic and multimedia design principles for e-learning.

All courses are designed to be completed within eight weeks. The first course, which has a scheduled start date, includes optional live-online sessions with instructors and fellow participants to facilitate information sharing and networking. The subsequent courses are self-paced and may be completed at any time.

Learn more about the Instructional Design Certificate program at pcs.udel.edu/instructional-design.



MEET WITH US TO LEARN MORE

PCS Information Session set for January 11

The community is invited to learn more about professional development programs offered by the University of Delaware's Division of Professional and Continuing Studies (UD PCS) in spring 2024 by attending a free virtual information session on January 11 at 7 p.m.

Although detailed program information can be found on the programs' webpages, the live-online information session allows participants to interact directly with the experts teaching the courses, providing a real-time opportunity for Q&A and feedback.

Each semester, information session participants tell us what a valuable experience it is to hear directly from their prospective instructors, who range from industry experts, business owners, college professors and other veteran educators, graduate degree holders, certified practitioners, and leaders in their fields—all who practice what they preach and are eager to share their knowledge.

In addition to program-specific details like industry outlook and course expectations, topics covered at the information session include financial assistance options and career resources available to most students and gradu-

ates of UD PCS certificate programs (page 10).

Students in UD PCS noncredit programs may be eligible for financial assistance and discounts. Payment plans, discounts or scholarships are applicable for most programs and include discounts for veterans and members of the military, groups of two or more, professional associations, and UD alumni, students and employees. Students may be eligible for funding from the Elevate Delaware program if they are employed by Delaware businesses with 50 employees or less (page 10).

As a side benefit of attending the virtual info session, participants have the opportunity to enter three raffles for registration discounts applicable to most UD PCS noncredit programs. Participants are automatically entered in two of the raffles by attending the virtual event and completing the evaluation form. Posting on Facebook or Twitter enters participants in the third discount raffle. For details and rules, visit pcs.udel.edu/raffle.

RSVP is required to participate in the information session. See details at pcs.udel.edu/info-session.

INFORMATION SESSION

Thurs., January 11 at 7 p.m.

BUSINESS & IT

- Business Analytics Science
- Cybersecurity, Fundamentals and Advanced
- Digital and Social Media Marketing
- Nonprofit Leadership
- Project Management
- Sales Development Science
- Sales Operations Science

DRONE TRAINING

- Professional Drone Pilot: Ground School and FAA Part 107 Test Prep

EDUCATION

- Instructional Design
- UD Montessori Teacher Training

FOOD & HOSPITALITY

- Foundations of Brewing Science and Brewery Operations

HEALTHCARE/WELLNESS

- Clinical Trials Management
- Mindfulness-Based Stress Reduction
- RN Refresher

LAW

- Paralegal

Visit pcs.udel.edu/info-session for program schedule and to RSVP.



SPRING 2024 COURSES AND PROGRAMS

FREE LIVE-ONLINE INFORMATION SESSION

**Thursday, January 11
7–8 p.m.**

LEARN MORE



Join us for a live-online information session to learn more about spring 2024 professional development programs, speak with instructors and ask questions about the programs you're interested in.

This session will include programs in Business and IT, Drones, Education, Food and Hospitality, Healthcare/Wellness and Law.

Scan code above, see page 12, or visit pcs.udel.edu/info-session for details.

BUSINESS AND IT

CREDIT DEGREE | ONLINE

Applied Statistics, Master of Science (M.S.)

This program is designed for working professionals from a range of occupational and educational backgrounds. Students receive training in applied and theoretical statistics and graduate ready to excel in data careers.

**CONTACT: 844-247-6251
onlinestats@udel.edu
onlinestats.canr.udel.edu**

NONCREDIT CERTIFICATE | ONLINE

Business Analytics Professional Certificate

Unlock the power of data and transform your career by diving into the world of analytics. Guided by industry experts, you'll gain the expertise to drive impactful business decisions.

The in-depth curriculum explores topics from the basics of SQL and data visualization to the future of business analytics. Delivered online over 10 weeks, the program offers a blend of on-demand content and optional live sessions led by industry experts. Explore key analytics concepts, methodologies and hands-on practice with real-time feedback.

You'll gear up to take the Tableau Desktop Specialist Certification Exam, with a full year of complimentary access to Tableau eLearning content, and you'll showcase your proficiency in data analysis, data modeling, visualization, SQL and analytical reasoning with a comprehensive playbook, making you a sought-after asset for current and prospective employers. A dedicated program team ensures you'll have the tools and guidance to achieve your distinct career aspirations, whether entering a new role, transitioning careers or aiming for a promotion.

Each week, you should expect to spend six to eight hours engaging with on-demand content created by industry experts, including activities and assignments in the online learning portal. Additionally, weekly live-online, two-hour, optional-but-recommended group sessions are available for engaging in real-time with peers, experts and mentors.

WHO SHOULD PARTICIPATE?

- Individuals considering a career in an analytics-related capacity who want to build data-oriented skillsets and gain their Tableau Desktop Specialist Certification
- Business-focused professionals looking to

develop new skills to expand career opportunities or improve potential for advancement in marketing, sales, finance, business operations, human resources or other related fields

- Recent graduates looking to gain a big-picture understanding of business analytics and build in-demand skills employers are seeking
- Entrepreneurs looking to grow their business by utilizing skills in data extraction, modeling and visualization

SCHEDULE: Classes start monthly. Please visit our website for schedules.

LOCATION: Online

ba.pcs.udel.edu

CREDIT CERTIFICATE | ONLINE OR IN-CLASS

Business Essentials Certificate

Through courses offered both online and on campus, this certificate offers students and working professionals the opportunity to earn a business-related certificate. The program consists of four targeted courses from UD's Alfred Lerner College of Business and Economics:

- Economic Issues and Policies
- Survey of Accounting
- Introduction to Business (offered online only)
- Fundamentals of Finance

**CONTACT: access-advise@udel.edu
302-831-8843 • pcs.udel.edu/essentials**



NONCREDIT CERTIFICATE | ONLINE

Cybersecurity Fundamentals for Practitioners and Managers Certificate

Cybersecurity is a critical necessity for most businesses, schools, banks and other organizations. As our lives evolve online, it is essential to prioritize securing our online identities and assets. Additionally, with online business transactions becoming a standard, every employee must understand how to keep information and their networks safe. Designed to give participants a general awareness of cybersecurity and to familiarize them with basic tools and terminology, this course covers fundamentals of cybersecurity and acts as a starting point for a cybersecurity career. This course provides participants with the foundational skills and vocabulary needed to pursue further training or certification, in preparation for entry into the cybersecurity field. Topics include:

- Cybersecurity terms
- Networking
- Attacks, vulnerabilities, threats
- Security assessments, mitigation and penetration testing
- Cybersecurity framework
- Risk assessments

WHO SHOULD PARTICIPATE?

- Anyone interested in a career change who possesses an interest in technology and security
- No prior cybersecurity experience required

SCHEDULE: Self-paced online course with live-online, instructor-led sessions Monday and Wednesday evenings, 7 weeks—April 1–May 15, 2024 (details on the web)

LOCATION: Online

PRICE: \$1,495. **Scholarships and potential discounts available including: Early registration, Military, UD student or alum, 2 or more (group).**

pcs.udel.edu/cybersecurity-fundamentals

NONCREDIT CERTIFICATE | LIVE-ONLINE

Advanced Cybersecurity Defense Certificate

Data and information are the building blocks of today's organizations, and most security experts no longer speculate as to whether an organization will be targeted, rather when and how. It is imperative that corporations stay ahead of the next cyberattack.

This program is designed to advance participants' cybersecurity literacy and provide practical, hands-on skills with proven techniques for assessing risk and safeguarding data. Participants will apply cybersecurity concepts to complete advanced technical challenges utilizing tools that are employed in the field today. This program is designed to serve as a steppingstone for entry into the cybersecurity industry, and features extensive hands-on cybersecurity learning activities in a realistic virtual environment.

Topics include, but are not limited to:

- Command line interfaces
- Packet sniffing
- Penetration testing
- Network firewalls
- Intrusion detection
- Vulnerability scanning
- SQL injection
- Cryptography
- Digital forensics
- System hardening
- Reverse engineering

WHO SHOULD PARTICIPATE?

- Anyone interested in advancing their knowledge of cybersecurity utilizing real-world tools and hands-on exercises
- Some prior cybersecurity knowledge beneficial

SCHEDULE: Self-paced online course with live-online, instructor-led sessions Monday and Wednesday evenings, 14 weeks, February 14–May 15, 2024 (details on the web)

LOCATION: Online

PRICE: \$2,195. **Payment plan, scholarships and potential discounts available including: Early registration, Military, UD student or alum, 2 or more (group).**

pcs.udel.edu/cybersecurity-defense

NONCREDIT COURSE | ONLINE

Foundations of Digital Marketing Certificate

What is digital marketing and why does it matter to businesses? How can you incorporate digital into your marketing mix to meet your audience online? The objective of this course is to introduce foundational concepts for digital marketing. Participants will learn to:

- Define digital marketing terms.
- Differentiate characteristics of traditional and digital marketing.
- Differentiate among inbound and outbound marketing strategies.
- Distinguish between the different digital channels and the opportunities they provide for business online.
- Distinguish examples of digital media used in digital marketing.
- Coordinate a competitive analysis.
- Develop a brand standard.
- Discover target audiences and craft audience personas.
- Create customer journey maps and marketing funnels.
- Craft a brand story.

WHO SHOULD PARTICIPATE?

- Anyone involved in the planning, implementation or measurement of digital strategies or who would like to pursue a career in these areas

SCHEDULE: Self-paced class can be started anytime.

LOCATION: Online

PRICE: \$495. **Potential discounts available including: Military, UD student or alum, 2 or more (group).**

pcs.udel.edu/digital-marketing

CREDIT DEGREE | ONLINE

International Business, Master of Science (M.S.)

This degree prepares professionals for leadership in international business, with emphasis on strategic, financial and managerial roles. Participants customize their program with coursework drawn from accounting, economics, finance, marketing, entrepreneurship and analytics.

CONTACT: 844-237-1338
business.online.udel.edu/msib

CREDIT DEGREE | ONLINE

Master of Business Administration (MBA)

The Online MBA program allows participants to engage in thoughtful learning with outstanding faculty and students, maximizing real-world knowledge to equip them with the skills and knowledge needed to excel in today's global market. Graduates can add a powerful, AACSB-accredited MBA to their resume in as few as 16 months, with specializations in business analytics, finance, healthcare management, information technology, international business and strategic leadership. Five start dates per year.

CONTACT: mbaprogram@udel.edu
844-237-1338 • mbaonline.udel.edu



MICROSOFT® EXCEL

Regardless of your role in an office, there is a good chance you need to be proficient in the use of Microsoft® Excel. With more than 2 million recent employment postings requiring Microsoft® Excel ability, it is one of the most in-demand occupational skills. The software's broad range of applications can be utilized for everything from simple number-crunching to complex business decisions. Our foundational and advanced classes are designed to equip you with the skills needed in today's job market. All students should have Microsoft® Excel 365 or a previous version.

NONCREDIT COURSE | LIVE-ONLINE

Microsoft® Excel Essentials

Gain the foundational skill set needed to navigate throughout the Microsoft® Excel application with confidence, and acquire familiarity with Excel's data management capabilities. Learn to summarize datasets and prepare a workbook for distribution on a professional level.

WHO SHOULD PARTICIPATE?

- Students, recent graduates and other job seekers who are looking to add marketable skills to their resumes
- Anyone wishing to learn the fundamental operations of Excel

SCHEDULE: Mondays, March 4–April 1, 2024, 6–9 p.m.

LOCATION: Live-online

PRICE: \$495, course materials included.
Potential discounts available, including:
Early registration, Military, UD student or alum, 2 or more (group).

pcs.udel.edu/ms-excel

NONCREDIT COURSE | LIVE-ONLINE

Microsoft® Excel Advanced Concepts

Gain the skill set needed to work with complex datasets using advanced functions and formulas in Microsoft® Excel. Learn to present data insights using advanced charting techniques, set up forms for collaborative workplace projects, and prepare interactive pivot tables for distribution on a professional level.

WHO SHOULD PARTICIPATE?

- Students, recent graduates and other job seekers with Excel skills who wish to learn advanced Excel concepts

SCHEDULE: Mondays, April 8–May 6, 2024, 6–9 p.m.

LOCATION: Live-online

PRICE: \$495, course materials included.
Potential discounts available, including:
Early registration, Military, UD student or alum, 2 or more (group).

pcs.udel.edu/ms-excel

NONCREDIT CERTIFICATE | LIVE-ONLINE

Project Management Certificate

Successful companies and organizations in all fields use project management to achieve breakthrough results. The powerful and versatile tools of project management are transferable to any work environment and can be used to manage any project. Whether you are new to the project management discipline or looking to formalize your project management experience, you will learn by applying these tools and experiencing both the art and science of managing a successful project through the project life cycle. Participants will define a project and explore best practices in predictive (Waterfall), adaptive (Agile) and Hybrid project methods, applying the tools required for successful project delivery. Students acquire a set of functional tools and techniques that can immediately be applied in the workplace.

This course provides current foundational knowledge and offers an opportunity to earn the professional development units

(PDUs) required by the Project Management Institute (PMI®) to maintain certifications or earn the contact hours needed to apply for a certification exam. While delivering best practices, this course is not specifically designed for exam preparation.

The curriculum applies principles from the *PMBOK® (A Guide to the Project Management Body of Knowledge®)* and the *PMI® Agile Practice Guide*, as well as references from other leading publications.

WHO SHOULD PARTICIPATE?

- Newly promoted/aspiring project managers
- Project leaders interested in achieving the next level of management skills
- Project managers seeking to meet the project management education hours requirement for the Project Management Institute's PMP® or CAPM® certifications
- Anyone seeking to better understand fundamental project management principles to increase project success, whether personal or professional

SCHEDULE: Wednesdays, February 7–April 10, 2024, 6–9:30 p.m.

LOCATION: Live-online

PRICE: \$2,595. **Payment plan, scholarships and potential discounts available, including: Early registration, Military, UD student or alum, 2 or more (group).**

pcs.udel.edu/project

NONCREDIT CERTIFICATE | ONLINE

Sales Development Science Certificate

The explosion of new technologies has transformed selling activities within any sales team. Tools, data, analytics, protocols and processes now play as significant a role as persuasion and persistence. This program explores the science behind these activities and the data-driven strategies for developing, managing and converting sales leads and pipelines into revenue.

Delivered entirely online, this 10-week program is taught by industry experts and covers all critical areas required to sell more efficiently and effectively.

The program covers sales development strategies and methodologies such as defining sales techniques, customer value

propositions, market research and uncovering customer insight.

Participants will learn to identify the metrics and key performance indicators (KPI) required to ensure optimal sales development performance. They will identify ideal customer profiles, create customer personas, explore tactics to generate leads, and learn the components and benefits of lead management to ensure a healthy pipeline, while also identifying tools and technology to boost sales productivity.

Whether focused on a new job search, switching careers or advancing your current role, you'll find the support you need to succeed and meet your unique career goals.

WHO SHOULD PARTICIPATE?

- Individuals considering a career in a sales-related capacity who want to build new skill sets and gain in-demand Salesforce Trailhead badges
- Early-stage sales or business-focused professionals looking to fill in their knowledge and skill gaps and upgrade long-term growth potential
- Entrepreneurs and small business owners looking to maximize lead, pipeline development and revenue generation

SCHEDULE: Classes start monthly. Please visit our website for schedules.

LOCATION: Online

salesdev.pcs.udel.edu

NONCREDIT CERTIFICATE | ONLINE

Sales Operations Science Certificate

This certificate program covers all the critical areas required to effectively drive the productivity and capacity of a company's selling resources. Delivered online, the 10-week comprehensive on-demand program is taught by industry experts and supplemented with optional live-online, instructor-led classes.

The course covers key sales operations topics such as lead management (understanding leads and how Salesforce and other CRMs help manage them); sales performance management (how systems and structure support sales team success); strategic sales performance metrics;

planning and execution frameworks; sales incentive plans and territory management; best practices for quota setting and performance; and go-to-market strategy.

Whether focused on a new job search, switching careers, or advancing in your current role, you'll find the support you need to succeed and meet your unique career goals.

WHO SHOULD PARTICIPATE?

- Recent college graduates considering a role in a sales capacity
- Those aspiring to enter or reenter a sales-related profession and wanting to build new skill sets and earn related Salesforce credentials
- Sales, sales operations or business analyst professionals with one to three years of experience looking to upgrade their skill sets and long-term growth opportunities
- Working professionals looking to make a shift into sales operations or expanding potential by becoming more knowledgeable about other aspects of a business, such as finance, business operations or other related areas
- Anyone who wants to acquire new and in-demand technology skills in a sales role

SCHEDULE: Classes start monthly. Please visit our website for schedules.

LOCATION: Online

salesops.pcs.udel.edu

NONCREDIT CERTIFICATE | ONLINE

Advanced Instagram Marketing Certificate

Instagram emerged as a social media titan in 2010 and has never looked back, growing to more than 2 billion monthly active users.

It is the ideal social media marketing platform for people who own a small business, restaurant or hotel as well as for businesses selling custom items, service industry organizations, tourist destinations and more. Studies have shown that people spend up to 30 minutes a day on Instagram, and Instagram Shopping tools can bump sales by over 300%.

UD's Advanced Instagram Marketing course is for students with fundamental

to midlevel social media marketing skills, and covers:

- Optimizing an Instagram Business profile
- Advanced channel features
- Shopping tools like the Shop tab
- Product tags
- Live shopping
- Instagram checkout
- Shopping ads

Participants receive in-depth, hands-on experience researching, developing, executing and analyzing the outcomes of comprehensive Instagram marketing strategies. They will learn how to design and launch Instagram ad campaigns and add an Instagram Shop to an account. Additional topics include optimizing an Instagram profile, setting effective social media goals, developing a distinctive brand voice and aesthetic, boosting engagement with Reels and Stories, using engaging hashtags, promoting products, holding classes and hosting a live Q&A session using Instagram's Live video and more.

SCHEDULE: Self-paced class, coming soon!

LOCATION: Online

PRICE: \$495. *Potential discounts available, including: Military, UD student or alum, 2 or more (group).*

pcs.udel.edu/socialmedia

NONCREDIT CERTIFICATE | ONLINE

Advanced LinkedIn Marketing Certificate

With more than 930 million members worldwide and over 58 million registered companies, LinkedIn is arguably the premier social media tool for business-to-business marketing. Built primarily for business networking, LinkedIn can be used by savvy marketers for B2B lead generation and other marketing opportunities.

UD's Advanced LinkedIn Marketing course is designed for students with fundamental to midlevel social media marketing skills, and covers:

- Optimizing a business profile or company page
- Creating custom content
- Building brand awareness
- Leveraging advanced channel features

- Utilizing LinkedIn Groups
- Audience targeting
- Retargeting ads
- LinkedIn InMail

Participants receive in-depth, hands-on experience researching, developing, executing and analyzing the outcomes of comprehensive LinkedIn marketing strategies. They will learn how to use LinkedIn to tell their company story, promote their products or services, and use branded video campaigns to increase awareness and engagement.

SCHEDULE: Self-paced class, coming soon!

LOCATION: Online

PRICE: \$495. *Potential discounts available, including: Military, UD student or alum, 2 or more (group).*

pcs.udel.edu/socialmedia

NONCREDIT CERTIFICATE | ONLINE

Advanced Facebook Marketing Certificate

Every organization can benefit from a Facebook presence. With more than 3 billion monthly users, Facebook gives businesses of all sizes, nonprofits, government agencies, and NGOs many ways to promote their mission, products and services; increase support and outreach; and boost sales and recognition. With a staggering 54% of Facebook users following or researching brands and products on the platform, it's no wonder that organizations with an active Facebook presence outperform their competitors.

UD's Advanced Facebook Marketing course is for students with fundamental to midlevel social media marketing skills and covers:

- Optimizing a Facebook page
- Advanced channel features such as livestreaming, stories and groups
- Creating custom content
- Building brand awareness
- Facebook Ads
- Facebook Business Suite
- Facebook Creator Studio
- Messenger and chatbots
- Contests and promotions
- Events
- Facebook Shop

This course delves deep into the intricacies of Facebook marketing, offering students hands-on experience in leveraging the platform's advanced features to drive brand awareness, engagement and conversions. By the end of the course, students will have a comprehensive understanding of how to utilize Facebook to plan and create a cohesive and effective marketing strategy.

SCHEDULE: Self-paced class, coming soon!

LOCATION: Online

PRICE: \$495. *Potential discounts available, including: Military, UD student or alum, 2 or more (group).*

pcs.udel.edu/socialmedia

NONCREDIT CERTIFICATE | ONLINE

Fundamentals of Social Media Marketing Certificate

In today's ever-changing landscape, organizations need effective social media marketing strategies to reach their full potential. This program introduces students to leveraging social media to build and extend brand awareness, increase visibility, engage current and potential customers, cultivate brand ambassadors, gain new customers, promote growth and support organizational goals.

Students learn the fundamentals and best practices—monitoring and listening, audience engagement, content curation, campaign planning and execution, tools and resources, and measuring results—for using social media for marketing on current, new and emerging platforms, including Facebook, Twitter, LinkedIn, Instagram, Snapchat, YouTube and Pinterest. As they explore using social media to support organizational goals, students view presentations and materials at their convenience and receive detailed feedback on assigned knowledge checks throughout the self-paced course. They can also schedule a meeting with the instructor for further discussion.

WHO SHOULD PARTICIPATE?

- Business owners who want to utilize or optimize social media marketing to reach their clients

- Aspiring social media managers
- Marketing and communication professionals
- Consultants
- Nonprofit employees and volunteers
- Sales professionals
- Anyone looking to start a social media marketing business

SCHEDULE: Self-paced class can be started anytime.

LOCATION: Online

PRICE: \$495. *Potential discounts available, including: Military, UD student or alum, 2 or more (group).*

pcs.udel.edu/socialmedia

NONCREDIT COURSES | ONLINE

Self-Paced Programs

In collaboration with MindEdge, a leader in online education founded by Harvard University and MIT educators in 1998, we are pleased to offer the following programs that let you to learn anytime, anywhere. Check our website for the full list of offerings.

- AEM®/CEM® Prep (U.S. version)—\$399
- Agile Certified Practitioner (PMI-ACP)® Exam Prep—\$549
- aPHR™ Exam Prep—\$395
- Certified Global Business Professional (CGBP) Exam Prep—\$799
- Challenges for Agile Teams—\$179
- CISSP® Exam Prep—\$599
- CompTIA Security+® Exam Prep—\$399
- Foundations of Finance Essentials—\$495
- Foundations of Human Resource Management—\$495
- Frontline Manager™ Certificate—\$749
- GED® Test Prep Four-Part Bundle—\$99
- Integrating Agile into a Waterfall Environment—\$125
- Introduction to Agile—\$299
- Introduction to Emergency Management in the U.S.—\$249
- Lean Basic—\$299
- Lean Six Sigma Basics—\$799
- LEED® Green Associate V4™ Exam Prep—\$329
- Microsoft® Project Basics—\$99
- Microsoft® Project Intermediate—\$99
- PHR® Exam Prep—\$395
- Principles of Scrum—\$349
- Six Sigma Basics—\$499

Foundations of Business Communication Bundle—\$395

- Communicating Collaboratively—\$99
- Effective Business Writing—\$99
- Effective Emails, Memos and Letters—\$99
- Effective Presentations—\$99
- Effective Public Speaking—\$99

Foundations of Managing Change and Resolving Conflict Bundle—\$695

- Communicating Collaboratively—\$99
- Emotional Intelligence for Managers—\$99
- Handling Difficult Employee Behavior—\$250
- Handling Workplace Conflict—\$99
- Leading and Managing Change—\$99
- Negotiations: Resolving Disputes—\$99

Foundations of Negotiation Bundle—\$249

- Introduction to Negotiations—\$99
- Negotiations: Making Business Deals—\$99
- Negotiations: Resolving Disputes—\$99

HR Skills™ Unit Bundles

- HR Skills™ Best Practices Certificate—\$395
- HR Skills™ Fundamentals Certificate—\$395

Project Management Professional Development Unit Bundles

- Leadership PDU Bundle—\$299
- Strategic PDU Bundle—\$299

LOCATION: Online

PRICE: *Potential discounts available, including: Bundled rates, Military, UD student or alum, 2 or more (group).*

pcs.udel.edu/self-paced

CREDIT CERTIFICATE | ONLINE

Socially Responsible and Sustainable Apparel Business, Graduate Certificate

Addresses cutting-edge labor and environmental issues in the global textiles and fashion apparel industry with coursework grounded on the principles of the United Nations (UN) Global Compact. The program provides the foundation needed to manage international production, sourcing, supply chain, product development and buying in ways that are socially responsible and sustainable.

CONTACT: 302-831-8713

shenglu@udel.edu

fashion.udel.edu/graduate/graduate-certificate

CREDIT DEGREE | ONLINE

Strategic Communication, Master of Arts (M.A.)

By evaluating past media campaigns and their results, conducting competitive research, and designing new campaigns based on insights from student analysis, this degree focuses on the tactics necessary to craft persuasive messaging. Graduates are prepared to advance in their current career or take on new roles in strategic communication, public relations, digital media or social media management. Concentrations available in public relations or digital and social media, or students can customize electives to design a program to match their career goals.

CONTACT: 844-237-1338

online.udel.edu/programs/ma-masters-strategic-communication

CREDIT CERTIFICATE | ONLINE

Strategic Communication, Graduate Certificate

Provides professional education and training at the graduate level, focusing on the basic principles of strategic communication; the theoretical background necessary to understand how to create effective public relations, social media and strategic communication campaigns; and the methodological skills required to test and understand the effectiveness of campaigns.

CONTACT: taralynn@udel.edu

DRONE TRAINING

NONCREDIT COURSE | LIVE-ONLINE

Professional Drone Pilot: Ground School and FAA Part 107 Test Prep

Legally flying a drone for commercial use requires a Federal Aviation Administration (FAA) Part 107 remote pilot certificate. Dedicated to serving all aspiring professional drone pilots, UD PCS has prepared over 200 individuals for this valuable certification since the inception of its award-winning program in 2018. During this intensive course, flight instructors provide comprehensive live-online classroom training by addressing regulations, airspace, weather, loading and performance, operations and other vital topics.

The program can also be presented to groups of any size via private, on-site or live-online delivery.

SCHEDULE: Saturday, February 3, Sunday, February 4 and Saturday, February 10, 2024, 8 a.m.–1 p.m.

LOCATION: Live-online

PRICE: \$395. *Scholarships and potential discounts available, including: Early registration, Military, UD student or alum, 2 or more (group).*

pcs.udel.edu/drones



EDUCATION

CREDIT DEGREE | HYBRID-ONLINE

Economics and Entrepreneurship for Educators, Master of Arts (M.A.E.E.E.)

Focused on preparing educators to teach economics, entrepreneurship and personal finance, the M.A.E.E.E. equips educators with a solid foundation in economic theory and a set of teaching strategies to inspire students to become effective participants in the economy, successful entrepreneurs, responsible consumers and wise investors.

CONTACT: asarta@udel.edu
302-831-2559

lerner.udel.edu/programs/masters-programs/economics-and-entrepreneurship-for-educators-ma

CREDIT DEGREE | ONLINE

Educational Technology, Master of Education (M.Ed.)

New media and the internet can have a positive effect on teaching and learning. This degree provides both a theoretical and a practical grounding in educational technology methods and techniques, emphasizing theories of teaching and learning that support these methods. To demonstrate mastery of the program's goals, all candidates complete the same series of seven program assessments. Depending on the student's career path, assessments are evaluated according to standards of the International Society for Technology in Education (ISTE) or the Association for Educational Communications and Technology (AECT).

CONTACT: 302-831-2396
education.udel.edu/masters/edtech

FREE LIVE-ONLINE INFORMATION SESSION

**Thursday, January 11
7–8 p.m.**



Join us for a live-online information session to learn more about spring 2024 professional development programs, speak with instructors and ask questions about the programs you're interested in.

This session will include programs in Business and IT, Drones, Education, Food and Hospitality, Healthcare/Wellness and Law.

Scan code above, see page 12, or visit pcs.udel.edu/info-session for details.

CREDIT DEGREE | ONLINE

Literacy, Master of Education (M.Ed.)

This program is for K-12 teachers wishing to prepare for certification as reading or literacy specialists. Current teachers and educators study the theoretical and evidenced foundations of reading and writing development, learn to plan culturally and linguistically relevant literacy instruction for all students, and support students and teachers in the use of digital literacy tools. Career opportunities include reading and literacy specialist positions in school districts, as well as English language arts (ELA) positions in K-12 schools.

CONTACT: dcoker@udel.edu
education.udel.edu/masters/literacy

CREDIT DEGREE | ONLINE

Teacher Leadership, Master of Education (M.Ed.)

Today's ever-changing educational landscape requires teachers who are equipped to be leaders in the classroom, able to foster collaboration within the school and community, and to understand and implement policies that impact students in K-12 classrooms, private schools, preschools, higher education and home schooling. This program provides teachers with the insights, knowledge and skills needed to better manage their classrooms, improve student outcomes and enhance their own professional growth as well as guide their peers toward more effective teaching strategies.

CONTACT: karchmer@udel.edu
education.udel.edu/masters/teacher-leadership

CREDIT COURSE | IN-CLASS

Alternative Routes to Teacher Certification (ARTC)

ARTC offers an alternative route to traditional teacher certification in Delaware. Through ARTC, qualified individuals with a bachelor's degree can complete certification requirements while employed as full-time teachers via education coursework and intensive, school-based supervision and mentoring. **For details, see artc.udel.edu.**



NONCREDIT COURSE | LIVE-ONLINE

Praxis Core Live-Online and On-Demand Online Test Prep

The Praxis Core Math 5733 Live-Online and Reading and Writing 5713/5723 On-Demand Online Test Prep courses are designed to help you improve your skills, confidence and score, all of which increase your chance of admission into the teacher preparation or certification program of your choice.

pcs.udel.edu/praxis-test-prep

NONCREDIT CERTIFICATE | ONLINE

Instructional Design Certificate

This online program is designed for anyone who wants to apply instructional design principles to design an effective digital learning experience or become an instructional designer. The hands-on, applied training method focuses on providing the opportunity to build a portfolio of instructional design projects. Estimated time to complete the full three-course program is 10 months. The first course, Foundations of Instructional Design, is a prerequisite for continuing with the other two courses in the series.

- **Foundations of Instructional Design** focuses on foundational knowledge for instructional designers, including learning theory principles applicable to instructional systems design, analysis of learner needs and use of authoring tools. Course starts February 5, 2024.
- **Curriculum Development for Instructional Design** focuses on curriculum design, including alignment of learning objectives, practice and assessments, and the evaluation of e-learning modules. This self-paced course is open for enrollment for those who successfully completed Foundations of Instructional Design.
- **E-learning and Course Development** for Instructional Design focuses on developing e-learning modules and applying multimedia design principles, instructional design frameworks, project

management for designers, and addressing feedback for continuous improvement. This self-paced course is open for enrollment for those who successfully completed Curriculum Development for Instructional Design.

WHO SHOULD PARTICIPATE?

- Individuals considering a career in instructional design
- Anyone who wants to leverage instructional design principles to design an effective digital learning experience to meet professional or personal goals
- Anyone who wants to learn how to apply multimedia skills

SCHEDULE: February 5–April 12, 2024
 (Course 1: Foundations of Instructional Design)

LOCATION: Online

PRICE: \$4,995 (3-course series) or \$1,995 per course. **Scholarships and potential discounts available, including Early registration, Military, UD employee, student or alum, 2 or more (group).**

pcs.udel.edu/instructional-design

PROFESSIONAL CERTIFICATION PROGRAM

UD Montessori Teacher Residency (UDMTR)

The University of Delaware's Montessori teacher training program combines in-school teacher residency with coursework and coaching to provide comprehensive teacher preparation. UDMTR is accredited by the Montessori Accreditation Council for Teacher Education (MACTE) for Elementary I and Elementary I/II, and upon successful completion of the program, participants receive a MACTE-accredited diploma. UD's program is relevant for public and independent Montessori schools and teachers interested in training for the Montessori classroom or expanding Montessori opportunities in their schools.

UDMTR also provides support to existing Montessori schools with coaching and professional development tailored to each school's needs. In partnership with Montessori Works Delaware, UDMTR supports the development of new Montessori PreK–6 district and charter

schools and early childhood programs. Check out our website for updates on our early childhood training programs.

In addition, UDMTR collaborates with schools to provide customized professional development, helping to develop a plan that meets the school's goals. Topics can include Bringing the Science of Reading to Your School, Strengthening Your Commitment to the Montessori Philosophy, and the Understanding By Design (UBD) Framework of Unit Development in the Cultural Curriculum.

We are proud to be partnering with regional schools and programs including Kingswood Community Center, First State Montessori Academy, Sussex Montessori Charter School, Philadelphia Montessori Charter School, Lee Montessori School and Baltimore Public Montessori Charter School.

SCHEDULE: The next elementary teacher cohort launches summer 2024.

pcs.udel.edu/udmtr

ENGINEERING AND SCIENCE

CREDIT CERTIFICATE | ONLINE

Applied Bioinformatics, Graduate Certificate

Bioinformatics is an emerging field where biological and computational disciplines converge, leading to job opportunities in rapidly growing sectors like biomedicine, pharmaceuticals, healthcare, agriculture and data analytics. This four-course program is aimed at working professionals in the life sciences or data sciences who wish to gain knowledge and practical experience in bioinformatics. Focused on real-world applications, students learn in an interactive, experiential and multidisciplinary team environment from nationally and internationally renowned researchers and practitioners in the field. No previous programming or database experience is required, but a familiarity with molecular biology concepts is recommended.

CONTACT: bioinformatics@udel.edu
bioinformatics.udel.edu/education/degrees/online-certificates

CREDIT CERTIFICATE | ONLINE

Biomedical Informatics and Data Science, Graduate Certificate

Biomedical informatics is an emerging field where biological and computational disciplines converge, leading to job opportunities in rapidly expanding fields of study with applications ranging from genomics to pharmaceutical, health informatics and biomedical research, having the potential to impact all areas of scientific research. This four-course program is aimed at working professionals in the life sciences or data sciences, or as a complement to other UD degree programs, who wish to gain knowledge and practical experience in fields where biomedicine, precision medicine, health informatics and data science intersect. Focused on real-world applications, students learn in an interactive, experiential and multidisciplinary team environment from nationally and internationally renowned researchers and practitioners in the field. No previous programming or database experience is required, but a familiarity with molecular biology and statistics is recommended.

CONTACT: bioinformatics@udel.edu
bioinformatics.udel.edu/education/degrees/online-certificates

CREDIT CERTIFICATE | ONLINE

Composites Manufacturing and Engineering, Graduate Certificate

Design rules for composite materials are fundamentally different than for traditional materials, with the engineer tailoring the material structure at the micro- and nano-scales to achieve desired mechanical and physical properties. This program is intended to provide the practicing engineer a strong foundation in the processing-structure-property relations in advanced fiber composites. UD's Center for Composite Materials and Department of Mechanical Engineering are internationally recognized

as leaders in composites research and education.

CONTACT: me-gradinfo@udel.edu
me.udel.edu/academics/graduate/graduate-certificate-in-composites-manufacturing-engineering

CREDIT CERTIFICATE | ONLINE

Cybersecurity, Graduate Certificate

Whether working in IT, engineering, computer science or even business, almost everything you are likely to work on will need to incorporate security considerations. In this three-course introduction to the field of cybersecurity, which you can later apply to a master's degree, you will learn key real-world principles and practices. Understand CIA (confidentiality, integrity and availability), the NIST Cybersecurity Framework, practical cryptography, hands-on practice evaluating and securing a real computer system (Linux, Windows), and building and configuring defensive systems such as firewalls, intrusion detection systems, VPNs and SIEMs on your own laptop using virtual machine technology, and be able to sift through the millions of daily warnings, of which only a few are a real threat.

CONTACT: 302-831-2406
ece.udel.edu/graduate/cybersecurity-certificate

CREDIT DEGREE | ONLINE

Cybersecurity, Master of Science (M.S.)

Protect your organization from malware and data breaches with career-enhancing education from a National Security Agency (NSA) and Department of Homeland Security (DHS) designated National Center of Academic Excellence in Cyber Defense Education. Taught by faculty and industry experts, UD's third-generation cybersecurity education program stresses hands-on experiences to create lasting reinforcement of the expanding body of knowledge of computer and network security. Learn key cybersecurity principles, how to evaluate and protect systems and write security

software, digital forensics and applied cryptography in this 10-course program combining security industry best practices, underlying theory such as cryptography, and critical hands-on-keyboard experience to address today's cybersecurity issues as an in-demand specialist.

CONTACT: 302-831-2406
ece-info@udel.edu
ece.udel.edu/academics/graduate/online-ms-masters-cybersecurity

CREDIT DEGREE | ONLINE

Electrical and Computer Engineering, Master of Science (M.S.)

Build your expertise in math, engineering and data science with a program focused on skill building across signal processing, data analytics, communication and cybersecurity to prepare you to lead solution development in data and communications. In addition to the master skill set of electrical and computer engineering, the program strongly focuses on the critical insights you will need to secure, protect and implement the systems you create. Developed by a faculty with diverse corporate and research backgrounds, this flexible program is for those with prior degrees in electrical, computer or mechanical engineering, or computer science or mathematics, and can be completed in as few as two years.

CONTACT: 302-831-2406
ece-info@udel.edu
online.ece.udel.edu/msece-online/

CREDIT DEGREE | ONLINE

Mechanical Engineering, Master of Science (MSME)

This online program is made up of 30 credits covering not only the foundations of solid mechanics, fluid mechanics, heat transfer and dynamics, but also electives in biomechanics, clean energy and environment, composite materials and manufacturing, energy-efficient mobility systems and smart cities, robotics and

controls, and more. Program faculty are the same world-class, awarded faculty who teach in the full-time, campus-based program.

CONTACT: me-gradinfo@udel.edu
me.udel.edu/academics/graduate/msme-online

CREDIT CERTIFICATE | ONLINE

Minerals, Materials and Society, Graduate Certificate

Among the first of its kind in the United States, this 15-credit program is designed to equip students with the skills necessary to join the growing fields of sustainable supply chain management and environmental and social responsibility, and to become world leaders and game changers in this arena. Taking an interdisciplinary approach, the program links science and policy issues associated with mineral and materials sourcing, building on UD's strengths in earth science as well as in materials science, energy policy, fashion and apparel studies and a range of social science disciplines.

CONTACT: saleem@udel.edu
sites.udel.edu/ceoe-mmms

CREDIT CERTIFICATE | ONLINE

Railroad Engineering, Graduate Certificate

The program prepares participants to meet railroad industry employers' expectations regarding knowledge of railroad and rail transit and is designed for engineering professionals working in railroad engineering or for those desiring to expand their knowledge of railroad engineering and related engineering disciplines with the goal of advancement in the railroad industry.

CONTACT: cee-info@udel.edu
railroadengineering.engr.udel.edu/education

FOOD AND HOSPITALITY

NONCREDIT CERTIFICATE | LIVE-ONLINE

Foundations of Brewing Science and Brewery Operations

According to the American Brewers Association, there were 9,552 craft breweries in the United States in 2022, an all-time high. Delaware leapt from just seven craft breweries in 2007 to 38 in 2022, creating an ongoing need for brewery workers with training and knowledge.

This course is designed to give participants the qualifications to join this thriving industry, or transition between roles within it. Participants will gain the practical knowledge and hands-on experience that brewery hiring managers seek. It also provides a scientific yet enjoyable opportunity for home-brewing hobbyists to elevate their knowledge to the professional level.

Topics include beer styles and guidelines, raw materials (hops, malted barley, yeast, water), hot-side and cold-side brewing operations (with a focus on cellar operations and entry-level work), brewery safety and chemical use, brewing equipment (brewhouse, fermenters, filters), packaging and quality.

WHO SHOULD PARTICIPATE?

- Anyone looking to make brewing a career
- Anyone looking to transition roles in a brewery
- Anyone looking to take their hobby/career to the next level

SCHEDULE: Wednesdays, February 7–April 10, 2024, 7–9 p.m.

LOCATION: Live-online with optional in-person session and beer tasting Saturday, March 9, 2024, 9 a.m.–1 p.m., at 1937 Brewing Company, 777 Delaware Park Blvd., Wilmington, Del.

PRICE: \$995. **Scholarships and potential discounts available, including: Early registration, Military, UD student or alum, 2 or more (group).**

Participants must be at least 21 years old.

pcs.udel.edu/brewing

HEALTHCARE/WELLNESS

NONCREDIT CERTIFICATE | ONLINE

Clinical Trials Management Online Certificate

Opportunities in the field of clinical trials management range from the principal role of investigator to the supportive tasks surrounding regulatory compliance, scientific writing, marketing, data management and more. Employment settings include pharmaceutical, biotechnology, medical device companies, contract research, hospitals, educational institutions and independent contractors. This program covers site management, data management, U.S. regulatory and legal implications, safety and auditing, and marketing a product, including core concepts consistent with the Association of Clinical Research Professionals (ACRP) certification exams, a valuable credentialing opportunity for clinical research professionals. **For exam details, including eligibility requirements, visit acrpn.net.org.**

WHO SHOULD PARTICIPATE?

- Clinicians and other professionals currently involved in the clinical trials process
- Professionals with a strong science or healthcare-related background wishing to expand their knowledge in the clinical trials field

SCHEDULE: February 12–May 20, 2024 (online course with some scheduled requirements and assignments.)

LOCATION: Online

PRICE: \$2,295, program materials included. **Payment plan, scholarships and potential discounts available, including: Early registration, Military, UD student or alum, 2 or more (group).**

2.0 Continuing Education Units

pcs.udel.edu/clinical-trials

CREDIT INTERNSHIP | ONLINE

Dietetic Internship

This certificate program provides students with a didactic program in dietetics (DPD) verification statement and a graduate degree, along with the knowledge and skills necessary to become registered dietitian nutritionists, giving them the creative problem-solving skills necessary in the field of dietetics. Upon successful completion of the program, students receive a verification of completion certificate and are eligible to take the Registration Examination for Dietitians.

CONTACT: 302-831-4989

aaleef@udel.edu

udel.edu/academics/colleges/chs/departments/bhan/graduate-programs/dietetic-internship

NONCREDIT COURSE | LIVE-ONLINE

NEW! Mindfulness-Based Stress Reduction

Learn self-awareness strategies that allow for reduction of stress, and more fully reasoned and wise decision making. Participants will be invited to incorporate mindfulness into a daily routine to respond to stress, rather than reacting to it. Mindfulness-based stress reduction (MBSR) is not a medical treatment or religious practice, but a secular program that is supported by research as an effective way to improve overall wellbeing.

WHO SHOULD PARTICIPATE?

- Anyone over the age of 18 who is willing to explore time-tested mindfulness strategies

SCHEDULE: Mondays, March 18–May 6, 5–7 p.m. and Saturday, April 20, 8 a.m.–4 p.m. (virtual retreat)

LOCATION: Live-online

PRICE: \$600, program materials included. **Scholarships and potential discounts available, including early registration, Military, UD student or alum, 2 or more (group).**

pcs.udel.edu/mindfulness

FREE LIVE-ONLINE INFORMATION SESSION

**Thursday, January 11
7–8 p.m.**



LEARN MORE

Join us for a live-online information session to learn more about spring 2024 professional development programs, speak with instructors and ask questions about the programs you're interested in.

This session will include programs in Business and IT, Drones, Education, Food and Hospitality, Healthcare/Wellness and Law.

Scan code above, see page 12, or visit pcs.udel.edu/info-session for details.

CREDIT CERTIFICATE | HYBRID-ONLINE

Molecular Diagnostics Certificate

Do you aspire to enhance your expertise in molecular diagnostics? This program is available for post-baccalaureate and graduate students, offering a unique hybrid-online and on-campus structure, aimed at laboratory professionals in fields such as medical laboratory science, forensics, biotechnology and pharmaceuticals. Designed to empower participants with the latest skills and knowledge required for the ever-evolving landscape of molecular biology theory and application, it also serves as a robust preparation for the MB(ASCP) certification examination conducted by the American Society for Clinical Pathology. The three-course program is made up of three 14-week online lectures and one weeklong campus-based laboratory practicum.

CONTACT: mms-dept@udel.edu
sites.udel.edu/mms

www.udel.edu/academics/colleges/chs/departments/mms/undergraduate-programs/molecular-dx

CREDIT DEGREE | HYBRID

Nursing Practice, Doctor of (DNP)

UD's Doctor of Nursing Practice program prepares graduates to perform at the highest level of advanced nursing practice. The foundation for practice expertise with a population health focus enables the graduate to plan and lead evidence-based interventions, quality improvement strategies and health policy changes that address patient safety, promote patient-centered care and reduce health disparities among diverse groups. Five concentrations are available in a hybrid-online and on-campus format: adult-gerontology nurse practitioner, adult-gerontology acute care nurse practitioner, family nurse practitioner, pediatric nurse practitioner, and psychiatric mental health nurse practitioner.

CONTACT: ud-gradnursing@udel.edu
www.udel.edu/academics/colleges/chs/departments/son/graduate-programs/dnp

NONCREDIT COURSE | ONLINE

RN Refresher Online Program

Have you been out of active nursing practice? Do you wish to update your nursing knowledge and return to a clinical setting? Does your state board of nursing require a refresher course for licensure reactivation? The University of Delaware's RN Refresher Online Program is designed to help you expand your nursing options.

UD's RN Refresher Online Program includes:

- An online didactic component providing the latest updates in evidence-based nursing practice and patient care management through a self-study format
- A clinical component consisting of a preceptored adult medical-surgical clinical experience in an acute care hospital (optional for nurses with active licenses)
- Learner support available via web, email, phone and fax

SCHEDULE: 15-week didactic component begins February 7, 2024. Clinical component

follows and must be completed by August 7, 2024.

PRICE: \$1,295 program fee (early registration discount through December 11, 2023). Textbooks not included; additional fees associated with exam proctoring and clinical component. **Scholarships and potential discounts available, including: Early registration, Military, UD student or alum.**

pcs.udel.edu/rn-refresher

INTERDISCIPLINARY

CREDIT DEGREE | ONLINE

Interdisciplinary Evaluation Science, Master of Science (M.S.)

This fully online program is designed to train scholars to conduct evaluations that provide credible evidence about the efficiency and effectiveness of interventions, evidence that is used to continually improve programs and inform decisions in the public, nonprofit and for-profit sectors.

CONTACT: giancola@udel.edu
udel.edu/grad/eval

CREDIT CERTIFICATE | ONLINE

Program Evaluation, Graduate Certificate

The 12-credit certificate program is intended to prepare students in the basics of program evaluation across the fields of human services, education, public policy, health and other program and policy areas through thoughtful, effective and ethical use of evaluation models and methods.

CONTACT: giancola@udel.edu
udel.edu/grad/eval

CREDIT CERTIFICATE | ONLINE

Applied Research Methods, Graduate Certificate

The 12-credit certificate program is intended to prepare students in advanced research methods, for the purposes of program and policy evaluation as well as research studies and projects.

CONTACT: giancola@udel.edu
udel.edu/grad/eval

LAW

NONCREDIT CERTIFICATE | IN-CLASS

Paralegal Certificate

Paralegals fill a vital role in the legal community, and for more than 44 years the University of Delaware's Paralegal Certificate program has been preparing legal assistants and paralegals in the region. Taught by a faculty of experienced attorneys and judges, the program covers the American system of law, court systems and procedures, legal research and writing, and the major branches of law. Students will need a laptop computer for assignments and exams.

EMPLOYERS ARE WAITING FOR YOU!

- Partnership with Delaware Department of Justice
- Frequent outreach from area firms seeking paralegals from our program
- Growth is expected in corporate legal departments, insurance companies, real estate and title insurance firms and banks
- Opportunities are projected to expand in the public sector



FREE LIVE-ONLINE INFORMATION SESSION

Paralegal Certificate

**Tuesday, January 11
7–8 p.m.**

LEARN MORE



Join us for a live-online information session to learn more about the spring 2024 Paralegal Certificate program, speak with instructors and ask questions.

This session will include programs in Business and IT, Drones, Education, Food and Hospitality, Healthcare/Wellness and Law.

Scan code above, see page 12, or visit pcs.udel.edu/info-session for details.

WHO SHOULD PARTICIPATE?

- Anyone wishing to change careers
- Anyone wishing to enter the field of law and legal services
- Anyone with legal experience wishing to earn a valuable credential
- Anyone considering law school

SCHEDULE: September 4, 2024–August 2025, Mondays/Wednesdays, 6–9 p.m.

LOCATION: Arsh Hall, 2700 Pennsylvania Ave., Wilmington, Del.

PRICE: \$4,250, textbooks additional.

Payment plan and potential discounts available, including: Early registration, Military, UD student or alum, 2 or more (group), Delaware State Bar Association, Delaware Paralegal Association and Delaware County Paralegal Association. Elevate Delaware funding, ALA Scholarship and additional scholarship opportunities also available.

23.4 Continuing Education Units

pcs.udel.edu/paralegal-institute

PARTNERSHIP DISCOUNTS

Thanks to our partnerships with local legal organizations, employees of the Delaware State Bar Association (DSBA) and its member firms and members of the Delaware Paralegal Association (DPA) and the Delaware County Paralegal Association (DCPA) are eligible to receive a 15% discount when registering.

LIBERAL ARTS

CREDIT DEGREE | ONLINE

Associate in Arts Online

The Associate in Arts Online is a liberal arts degree representing completion of approximately half of a UD bachelor of arts degree. If you have previous college credit, this may be transferable into the program, and you can begin taking courses prior to formal admission to the degree. Consult with an ACCESS Center advisor to choose courses and customize your program.

CONTACT: access-advise@udel.edu
302-831-8843
pcs.udel.edu/associate-arts-online

CREDIT DEGREE | ONLINE/IN-PERSON

Liberal Studies, Master of Arts (MALS)

Interested in additional lifelong learning opportunities? UD's Master of Arts in Liberal Studies (MALS) program is great for intellectually curious adults who want to pursue a degree. The interdisciplinary program gives students the flexibility to follow their academic passions by shaping their own courses of study. Composed of small seminar classes, which invite broad thinking on issues of importance, the program is designed for returning adult students who can attend classes in the evening.

302-831-4130 • mals.udel.edu
mals-info@udel.edu



PRE-COLLEGE

UD Credit Courses for High School Students

High school students interested in taking credit courses as Continuing Education Non-Degree (CEND) students are required to schedule an appointment with an ACCESS Center academic advisor (see page 2). ACCESS advisors are available to answer questions, offer guidance and assistance with course selection and registration, and provide required forms. Advisors are available to support students throughout the process.

HOW TO GET STARTED

Contact the ACCESS Center to make an appointment with an advisor prior to enrolling in a course.

CONTACT: access-advise@udel.edu or
302-831-8843
pcs.udel.edu/pre-college

UD Dual Enrollment: Earn college credits while still in high school

Through established partnerships with participating high schools, academically qualified juniors and seniors can simultaneously earn high school and college credits by taking designated University of Delaware courses.

Students can:

- Learn from expert faculty at one of the nation's top research universities
- Get a head start on college while saving time and money
- Gain experience taking college-level courses
- Take courses not available at their schools
- Enhance their college applications

Online courses are one of the options for students in UD's Dual Enrollment Program. Students may enroll in one or more of the designated online courses taught by UD faculty. Although course offerings may change, typical offerings include:

ANTH 101: Introduction to Social and Cultural Anthropology

Major ideas and areas of study in social and cultural anthropology. (3 credits)

BUAD 100: Introduction to Business

Survey of basic business concepts designed for non-business majors. (3 credits)

HDFS 202: Diversity and Families

Examination of diverse families in the United States with a focus on issues of race, ethnicity, social class and gender. (3 credits)

NTDT 200: Nutrition Concepts

Functions and sources of nutrients, dietary adequacy, energy balance and metabolism with emphasis on health promotion. (3 credits)

HOW TO GET STARTED

Contact your school's guidance office to find out if your school participates in UD Dual Enrollment.

pcs.udel.edu/high-school-dual-enrollment

Early College Credit Program

Academically qualified juniors and seniors from participating Delaware public, charter and private high schools may take UD general education courses offered through the UD Early College Credit Program at no cost, simultaneously earning both high school and college credit. Students may take a maximum of two courses per semester—four courses per year. Upon successful completion of courses, students are awarded college credit. For those students who are admitted to UD, these credits will decrease the time to completion and cost of a UD bachelor's degree. Students can also apply UD credit toward degrees at other universities and colleges, pending approval by the receiving institutions.

pcs.udel.edu/early-college-credit-program



College Test Prep: Earn Higher ACT and SAT Scores

Standardized tests are crucial components of the college application process. The University of Delaware partners with Educational Testing Consultants (ETC), a leader in higher education test preparation, to offer intensive programs that provide students with the tools they need to excel. A limited number of need-based scholarships are available for students enrolling in test prep programs. Courses are offered in person and live-online. **See page 27.**

pcs.udel.edu/test-prep

ACT Live-Online Test Prep

This test prep course is an intensive program that provides students with the tools they need to excel on the ACT exam. **See page 27.**

pcs.udel.edu/sat-test-prep

SAT Test Prep

This test prep course is an intensive program that provides students with the tools they need to excel on the SAT exam. **See page 27.**

pcs.udel.edu/sat-test-prep

PUBLIC ADMINISTRATION

NONCREDIT CERTIFICATE | ONLINE

Nonprofit Management Essentials

In these challenging times, there is no better time to change the world through a career in the nonprofit sector. Gain an understanding of nonprofit organizations and the issues managers face in this impactful and growing field. Participants are exposed to several areas of responsibility for nonprofit leaders, including strategy, board governance, budgeting, fundraising, grant writing, managing employees and volunteers, and more. The course is taught online using a

combination of synchronous and asynchronous methods. Synchronous content includes class discussions and activities via Zoom.

WHO SHOULD PARTICIPATE?

- Early-career professionals working in the nonprofit sector
- Midcareer professionals transitioning from other sectors

SCHEDULE: Tuesdays, February 13–May 21, 2024, 6–8:30 p.m.

LOCATION: Online

PRICE: \$1,500. *Payment plan, scholarships and potential discounts available, including: Early registration, Military, UD student or alum, 2 or more group).*

pcs.udel.edu/nonprofit-training

CREDIT DEGREE | ONLINE

Public Administration, Master of (MPA)

This program is designed to help current and aspiring public sector professionals develop their knowledge of urgent societal issues and strengthen their leadership and management acumen using a curriculum based on applied research and contemporary case studies. Founded on theory, research and application-based solutions, and taught by an interdisciplinary faculty, this program challenges participants to apply best practices of public management to real-world problems while mastering the strategies necessary to effectively shape policy and lead governmental, nonprofit and private sector organizations.

CONTACT: 302-831-1687

bidenschool@udel.edu

bidenschool.udel.edu/masters-programs/academic-programs/mpa-master-of-public-administration

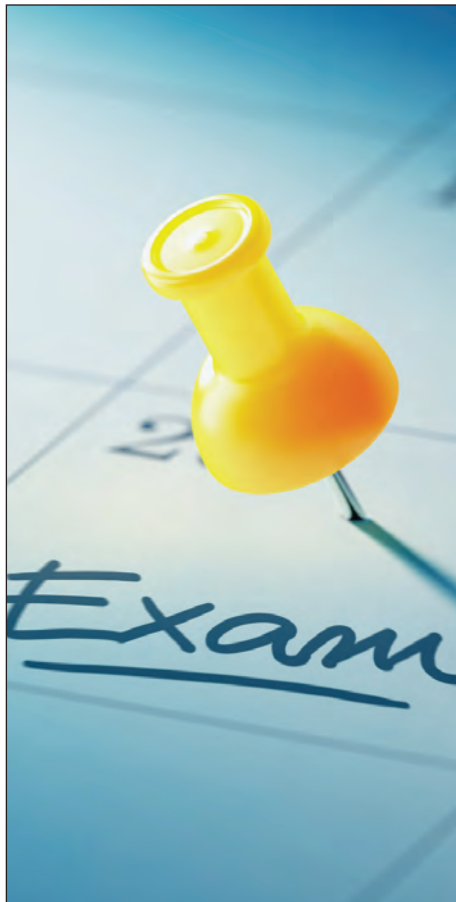
TEST PREP

NONCREDIT COURSE | LIVE-ONLINE

College Test Preparation Courses

Standardized tests are a crucial component of the college and graduate school application process, and success on these exams can be a big part of achieving your goals. These test prep courses are intensive programs that provide students with the tools they need to excel on their exams.

Students are provided with an in-depth review of the exam materials, insight into strategies for succeeding on each exam and a comprehensive study plan. An official study guide, a customized workbook and online resources are provided with each course. These programs are offered in partnership with Educational Testing Consultants (ETC), a leader in higher education test preparation.



TEST PREP FREE STRATEGY SESSIONS

Live-online workshops will be held for these test prep programs on Wednesdays from 9–10 p.m. on the following dates

ACT/SAT Strategy Workshop

January 31 • February 28
March 20 • April 17 • May 22
June 26

GMAT Strategy Workshop

January 17 • May 15

GRE Strategy Workshop

January 10 • February 21
March 27 • April 24
May 29 • June 26

LSAT Strategy Workshop

January 10 • February 17
April 17 • June 5

WHO SHOULD PARTICIPATE?

- Rising high school juniors taking the SAT or ACT for college admission
- Undergraduates preparing to take the GRE, GMAT or LSAT for admission to graduate school or law school
- Future teachers taking the Praxis for certification or admission to colleges/schools of education
- Anyone wishing to continue their education at the college/university or graduate level

LOCATION: All courses offered live-online. See website for details.

PRICE: See website for current pricing. **Scholarships and potential discounts available, including Military, UD dependents, Delaware residents.**

pcs.udel.edu/test-prep

ACT

pcs.udel.edu/sat-test-prep

GRE

pcs.udel.edu/gre-test-prep

GMAT

pcs.udel.edu/gre-test-prep

LSAT

pcs.udel.edu/sat-test-prep

SAT

pcs.udel.edu/sat-test-prep

OTHER EXAM PREP OFFERINGS

Praxis

See page 20 for more information.

FINANCIAL AID AVAILABLE

Need-based financial aid is available for students enrolling in the ACT, SAT, GMAT, GRE or LSAT test prep programs. Applications are accepted on a rolling basis, with preference given to submissions received at least three weeks prior to the applicable course start date.

pcs.udel.edu/test-prep

SPRING 2024 PROGRAMS AT A GLANCE

Subject	Program	Dates/Time	Location	Price	Delivery Method	Format	Pg. No.
BUSINESS & IT	Advanced Facebook Marketing Certificate	Self-paced	Online	\$495	Online	Certificate	17
	Advanced Instagram Marketing Certificate	Self-paced	Online	\$495	Online	Course	16
	Advanced LinkedIn Marketing Certificate	Self-paced	Online	\$495	Online	Course	17
	Advanced Cybersecurity Defense Certificate	Mon./Wed., Feb. 14–May 15	Live-online	\$2,195	Online	Course	14
	Business Analytics	Classes start monthly	Online	varies	Online	Certificate	13
	Business Essentials			Online	Online	Certificate	13
	Cybersecurity Fundamentals for Practitioners and Managers	Mon./Wed., Apr. 1–May 15	Online	\$1,495	Online	Course	14
	Drone: Ground School & FAA Part 107 Test Prep	Sat. Feb. 3, Sun. Feb. 4, Sat. Feb. 10, 8 a.m.–1 p.m.	Live-online	\$395	Live-online	Course	19
	Foundations of Digital Marketing	Classes start anytime	Online	\$495	Online	Course	14
	Fundamentals of Social Media Marketing	Classes start anytime	Online	\$495	Online	Certificate	17
	Graduate Certificate in Socially Responsible and Sustainable Apparel Business				Online	Certificate	18
	Graduate Certificate in Strategic Communication				Online	Certificate	18
	Microsoft® Excel Essentials	Mon., Mar. 4–Apr. 1, 6–9 p.m.	Live-online	\$495	Live-online	Course	15
	Microsoft® Excel Advanced Concepts	Mon., Apr. 8–May 6, 6–9 p.m.	Live-online	\$495	Live-online	Course	15
	Master of Arts in Strategic Communication (M.A.)				Online	Degree	18
	Master of Business Administration (MBA)				Online	Degree	15
	Master of Public Administration (MPA)				Online	Degree	26
	Master of Science in Applied Statistics (M.S.)				Online	Degree	13
	Master of Science in International Business (M.S.)				Online	Degree	15
	Nonprofit Management Essentials	Tues., Feb. 13–May 21, 6–8:30 p.m.	Online	\$1,500	Online	Certificate	26
	Project Management	Wed., Feb. 7–Apr. 10, 6–9:30 p.m.	Live-online	\$2,595	Live-online	Certificate	15
	Sales Development Science	Classes start monthly	Online		Online	Certificate	16
	Sales Operations Science	Classes start monthly	Online		Online	Certificate	16
	Self-Paced Programs	Classes start anytime	Online	Various	Online	Course	18
EDUCATION	Instructional Design Certificate	Feb. 5–Apr. 12	Online	\$1,995 per course	Online	Certificate	20
	M.A. in Economics & Entrepreneurship for Educators				Hybrid-online	Degree	19
	Master of Education in Teacher Leadership (M.Ed.)				Online	Degree	20
	Master of Education in Educational Technology (M.Ed.)				Online	Degree	19
	Master of Education in Literacy (M.Ed.)				Online	Degree	19
	Montessori Teacher Residency	Launches Summer 2024			Hybrid and In-Classroom	Certificate	20

Subject	Program	Dates/Time	Location	Price	Delivery Method	Format	Pg. No.
ENGINEERING	Alternative Routes to Teacher Certification (ARTC)				In-class	Course	20
	Praxis: Core Math or Reading & Writing	Visit pcs.udel.edu/praxis-test-prep for details.			Live-online	Course	20
	Graduate Certificate in Applied Bioinformatics				Online	Certificate	21
	Graduate Certificate in Biomedical Informatics and Data Science				Online	Certificate	21
	Graduate Certificate in Composites Manufacturing and Engineering				Online	Certificate	21
	Graduate Certificate in Cybersecurity				Online	Certificate	21
	Graduate Certificate in Minerals, Materials and Society				Online	Certificate	22
	M.S. in Cybersecurity				Online	Degree	21
	M.S. in Electrical and Computer Engineering				Online	Degree	22
	M.S. in Mechanical Engineering (MSME)				Online	Degree	22
	Railroad Engineering Graduate Certificate				Online	Certificate	22
HOSPITALITY	Foundations of Brewing Science and Brewery Operations	Wed., Feb. 7–Apr. 10, 7–9 p.m.		\$995	Live-online	Certificate	22
HEALTHCARE/ WELLNESS	Clinical Trials Management	Mon., Feb. 12–May 20	Online	\$2,295	Online	Certificate	23
	Dietetic Internship				Online	Credit Internship	23
	Doctor of Nursing Practice, DNP				Hybrid-online	Degree	24
	Mindfulness-Based Stress Reduction	Mon., Mar. 18–May 6, 5–7 p.m.	Online	\$600	Live-online	Course	23
	Molecular Diagnostics				Hybrid-online	Certificate	23
	RN Refresher	Starts Feb. 7	Online	\$1,295	Online	Course	24
INTERDISCIPLINARY	Master of Science in Interdisciplinary Evaluation Science				Online	Degree	24
	Graduate Certificate in Program Evaluation				Online	Certificate	24
	Graduate Certificate in Applied Research				Online	Certificate	24
LAW	Paralegal Certificate	Sept. 4, 2024–Aug. 2025	Wilmington	\$4,250	In-classroom	Certificate	24
	LSAT Prep	Multiple live-online offerings	Live-online	\$995	Live-online	Course	27
LIBERAL ARTS	Liberal Arts: Liberal Studies, Master of Arts (MALS)				Online	Degree	25
	Associate in Arts Online				Online	Degree	25
TEST PREP	ACT Prep	Multiple live-online offerings	Online	\$475	Online	Course	27
	GRE Prep	Multiple live-online offerings	Online	\$895	Online	Course	27
	GMAT Prep	Multiple live-online offerings	Online	\$895	Online	Course	27
	LSAT Prep	Multiple live-online offerings	Online	\$995	Online	Course	27
	SAT Prep	Multiple live-online offerings	Online	\$475	Online	Course	27



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