

## **DU CAMPUS RESOURCES TO SUPPORT YOUR UNDERGRADUATE RESEARCH**

**Arts, Humanities & Social Sciences (AHSS):** AHSS supports undergraduate research in the Art, Humanities & Social Sciences in a number of impactful ways. One avenue is through funding for undergraduate research. Summer Student Internship awards: The AHSS Dean's office awards grants of up to \$3,000 each to AHSS majors who do summer internships. Students must have junior or senior standing, and the internship must be taken for credit during summer quarter. Summer Student Research awards: The AHSS Dean's office awards grants of up to \$1,250 each to support special projects (research/creative endeavors) for AHSS majors. The goal is to enable students to undertake summer projects that would otherwise involve cost-prohibitive travel or other expenses. The call for applications for both awards goes out in late winter quarter, with an application deadline in spring quarter. Many individual AHSS programs also have funding to support research and internship opportunities for their students; talk to your major advisor!

**Career & Professional Development:** Career & Professional Development encourages students to be involved in research to expand classroom learning in an experiential environment. Career & Professional Development is here to support you at any stage in your career. Whether you are exploring major and career options, seeking research opportunities, or aiming to build and develop your professional network, we are here to help. Your dedicated Career Advisors are happy to answer any inquiries you have about finding research opportunities or thinking through the best ways to highlight your research experience on your resume or in an interview, as well as how research fits into students' career path and goals. In addition to appointments and walk-in assistance, Career & Professional Development offers programming throughout the year to assist you in your research endeavors.

**CCESL/Scholar Shop:** Through Scholar Shop, CCESL aims to connect change makers to pursue projects that are mutually beneficial. Scholar Shop is a resource that highlights organizations and groups interested in connecting with DU. Sometimes this takes the form of projects previously identified by community partners while other times this starts with an exploration of interest between campus and community individuals to identify synergies.

Scholar Shop allows undergraduate students an opportunity to apply the skills they are developing at DU toward work that benefits the Denver community in any number of areas; projects can include analyzing data, conducting a program evaluation, producing a brochure, creating written reports, developing curriculum, or may take many other formats. Students may be eligible to apply for an ACE Student Scholars Grant to support project-related costs and/or funding from the Undergraduate Research Center (URC) through the Partners in Scholarship (PinS) program. For more information about this resource, visit <https://academicaffairs.du.edu/ccesl/connecting-people-projects> or contact [ccesl@du.edu](mailto:ccesl@du.edu).

**Daniels College of Business:** Students are encouraged to include independent research as part of the e-portfolio they develop for Daniels Distinction, to earn Distinction in the Major, as well as undergraduate thesis work. The purpose of an undergraduate thesis is to embark on an in-depth research topic or project to augment classroom learning and contribute new knowledge to a field. The thesis provides students with an opportunity to delve deeper into their major and define a more specific area of interest. Engaging in original research sets students apart by showing prospective employers or graduate schools an example of high work ethic, commitment to going beyond usual expectations, and strong potential for future work and growth. Students interested in undergraduate research should contact McKenzie Mohler or Greg

Grauberger in Daniels Advising for information about connecting with faculty members who undertake research in business.

**E-STEM:** (in)Equity in Science, Technology, Engineering, and Math (E-STEM) Program, in collaboration with the Division of Natural Science and Mathematics and the Ritchie School of Engineering and Computer Science, and the Center for Multicultural Excellence (CME)'s, has a specific goal to nurture the strengths of academically successful incoming, 2nd, 3rd and 4th year STEM historically underrepresented undergraduate students. The E-STEM program provides students with an interest in the STEM fields with academic support to pursue your longer term academic interests while at DU and professional development guidance (research and internship opportunities). In direct alignment with DU's commitment to Inclusive Excellence and Diversity, E-STEM helps you to successfully navigate their path to the STEM career at DU, through impactful research opportunities, academic skill building, STEM identity exploration, social and cultural support, meaningful mentorship, and personal growth.

**Extreme Academics:** Extreme Academics is a program intended to support student work beyond the classroom. We offer workshops and panels to help undergraduate students in all disciplines identify their academic interests and strengths and to develop their research plans and projects. Funding is sometimes available for meritorious projects. For more information, join the Extreme Academics Facebook group or contact Shawn Alfrey at [shawn.alfrey@du.edu](mailto:shawn.alfrey@du.edu).

**Interdisciplinary Research Incubator for the Study of (In)Equality (IRISE):** IRISE supports undergraduate research on issues of inequality through grants of up to \$2,000. We also provide programming related to writing, research, and the use and application of interdisciplinary methodology. IRISE allows DU faculty and students to engage in the development of cutting edge interdisciplinary research on issues of inequality, social justice, and inclusivity. The penultimate outcome in this regard is to advance Inclusive Excellence, diversity, and equity at DU, as well as furthering DU's public good mission by extending and connecting this work across campus to locally diverse communities in a comprehensive and meaningful way.

**Natural Sciences and Mathematics:** It is the mission of Natural Sciences and Mathematics (NSM) to provide an authentic research experience for as many NSM undergraduate students as possible. Faculty and graduate students mentor our undergraduates in the art of performing research. Outcomes are then presented at regional and/or national meetings as well as possibly published in a variety of scientific publications. Research opportunities for undergraduates are supported by PinS monies obtained through the Undergraduate Research Center or by grant monies attained by individual faculty. After reading about the individual faculty members research interests, undergraduates are encouraged to approach our faculty and inquire about a research experience in their labs.

**Office of International Education:** The best way to understand another culture is to experience it, to connect with it for a prolonged period. This also encourages a deeper understanding of our own cultures as we interact with and learn from others. At the University of Denver, we strive to develop cross-cultural connections--and the new perspectives that come with them--by encouraging students to study and live abroad for at least one quarter. We want our graduates to appreciate and understand the differences and interdependencies that characterize our world. The Office of International Education (OIE) supports undergraduate research abroad through many avenues. We are able to partner with a unique program called EuroScholars which is a consortium of 8 universities in Europe that find research opportunities for

undergraduate American and Canadian students to come spend a semester learning in an European lab environment. Among this program many of our partner universities abroad offer research opportunities alongside of students' classroom studies while abroad. Through advising we help students navigate the many programs and discuss their goals to help narrow down which programs might be the best fit for them.

**ORSP/ Research Integrity & Education:** Doing research with human subjects, animals or hazardous materials? The Office of Research Integrity & Education (ORIE) is part of the Office of Research and Sponsored Programs (ORSP). ORIE provides services that support the efforts of the DU research community in their research endeavors to ensure active adherence to the ethical principles and professional standards essential for the responsible practice of research. Within the Office of Research Integrity & Education, the following committees are provided with ORIE administrative and professional personnel to oversee the research conducted by affiliated investigators on the DU campus: Human Subject Research (Institutional Review Board), Animal Welfare (Institutional Animal Care and Use Committee), rDNA and Biosafety (Institutional Biosafety Committee). To ensure that research conducted at the University of Denver is safe and ethical, and promotes a culture of integrity, the Office of Research Integrity & Education manages and provides training and education in the following programs: Research Conflict of Interest, Responsible Conduct of Research, and Research Misconduct.

**Ritchie School of Engineering & Computer Science:** Undergraduate research is a pillar of the Bachelor's Degree program from the Ritchie School of Engineering and Computer Science. The Senior Design experience is a staple of our program where the Senior class works with industry partners to design, prototype, and pitch a useable product. In addition, undergraduates in every department are involved in research with our faculty with the possibility of publishing while still an undergraduate. Some examples of current research projects include Biomechanical Shape Modeling, RobotAssist (aka the Autism Robot), Cooperative Aerospace Simulation, Mobile Landing Platform, and Expressionnet (developing state-of-the-art machine learning algorithms for facial expression recognition.) Note that funding is often available directly from the faculty researcher's grant or from DU through the PinS program.

**Sustainability:** The Center for Sustainability mission is to make DU a more sustainable institution while engaging and educating the community. We collect data across a wide range of metrics, from consumption to perceptions to behavior change. We consistently support pilot projects, building level studies, and behavioral change research. All of our existing data is also available for analysis. We have a team of graduate assistants who are able to help bridge the gap between operations and research.

**University Libraries' Research Center:** Thousands of students have taken advantage of free, one-on-one Research Center consultations to become more efficient and effective researchers. 99% of these students say they would recommend a consultation to a friend or classmate. Take their advice and learn from the experts – research librarians – with personalized research assistance. You can learn how to conduct an efficient and thorough literature review, search the vast resources offered by the University Libraries for new ideas for project methods and directions, and make sure that you're not repeating research that's already been done. Get tips on managing data during your project and using a citation manager to save and automatically format article references.

**Undergraduate Research Center (URC):** The URC is devoted to enhancing the undergraduate experience by facilitating students' investigations that make original intellectual or creative contributions within and across disciplines. We provide support for undergraduate research through several avenues:

- Education for undergraduates and mentors regarding research and presentation of that research
- Resources for information about research and outside funding opportunities, for workshops and seminars, and for events at which students can present their research
- Support in the form of research scholarships for research projects and for travel to present research at professional meetings
- Celebration and showcasing of undergraduate research and scholarship on campus, nationally and internationally

**University Honors Program:** The Honors program supports the research, scholarship, and interdisciplinary work of its members in a variety of ways. In addition to providing co-curricular academic programming, our courses are developed to provide students early access to faculty, and we provide Special Honors Funding to help students further their academic engagement and research on campus and beyond. In cooperation with departments across campus, we help students participate in their department's distinction plans and pursue thesis research, encourage participation in the Spring Symposium, and promote our student's thesis work in the annual National Council of Honors Colleges Portz Scholar Thesis Contest. Last year a member of the Honors Program was the national winner of this prestigious contest.

**University Writing Center:** The University Writing Center supports undergraduate research in two primary ways. First, we facilitate workshops throughout the year on writing grant proposals, composing abstracts, and designing poster. Second, we offer individual 45-minute consultations on all kinds of writing projects, with the goal of helping you to define your goals, frame your project, and refine the writing you do to represent your project. Third, we can help interested students to form and maintain a writing group for accountability, community, and feedback. Our 33 graduate and undergraduate consultants are available six days per week; make an appointment by logging into <https://du.mywconline.com> and making an appointment, or write to Prof. Juli Parrish at [wrc@du.edu](mailto:wrc@du.edu) with questions.