

COE New Faculty Development Opportunities

New Faculty Orientation, Training, and Mentoring Programs

UNL New Employee Onboarding

University Human Resources provides new employee onboarding information, including UNL New Employee Orientation. You can [view a recording of the sessions now](#).

UNL New Faculty Orientation

Nebraska's New Faculty Development Program kicks off with a Canvas Course beginning July 1, which will introduce new faculty to the university in an asynchronous online manner throughout the summer. At the beginning of the fall semester, new faculty will join together in-person at Nebraska Innovation Campus for an interactive, all-day event, which will include sessions with campus leadership, an information fair, and a panel of "recently new" faculty. A detailed invitation will be emailed.

UNL New Faculty Development Workshops

Faculty Affairs in the Executive Vice Chancellor's Office offers seven New Faculty Development Workshops throughout the academic year to enable a deeper dive on topics of importance to new faculty. While primarily targeted toward first-year faculty, invitations to these workshops are also extended to those in their second and third years. More information can be found [here](#).

UNL External Mentoring Program

The External Mentoring Program assists new, pre-tenure, tenure-track faculty in establishing a meaningful and lasting mentoring relationship with a senior mentor external to the University of Nebraska-Lincoln. More information can be found [here](#).

National Center for Faculty Development and Diversity

The University of Nebraska-Lincoln is an institutional member of the National Center for Faculty Development and Diversity. NCFDD provides online career development, training, and mentoring resources. Activate your membership by visiting facultydiversity.org

College of Engineering New Faculty Orientation

College of Engineering offers an in-person new faculty orientation every year at the beginning of the fall semester. All new faculty members will be invited to meet with the College executive council members.

College of Engineering New Faculty Onboarding Workshops

College of Engineering offers a series of workshops to address topics on teaching, research, diversity, engagement, promotion and tenure, focusing on the college level information. The workshops are given throughout the academic year, targeting at new faculty, but inviting faculty members who joined the College in the past three years. Previous COE New Faculty Onboarding information can be found [here](#).

College of Engineering New Faculty Mentoring Program.

The College of Engineering New Faculty Mentoring Program is a one-year program to provide a mechanism for new faculty members to receive advice and counsel from a group of senior faculty mentors outside of their departments. All new faculty in the College of Engineering will be invited to the program. Information of the program can be found [here](#).

Teaching Focused Faculty Development Programs

COE Engineering and Computing Education Core (ECEC)

The ECEC serves as a core facility in the College of Engineering at UNL, providing resources and support for engineering faculty towards the College's mission of providing excellent post-secondary education through ABET-Accredited programs. The ECEC develops, implements, and promotes professional development programs for engineering faculty to assist them with incorporating successful evidence-based instructional strategies in engineering education. More information can be found [here](#).

Learning by Design

This program is designed for faculty who are *preparing to teach a new course for the first time and/or who want to re-think or re-envision - in small or big ways - a course that they already have experience teaching*. Participants in the program will learn about fundamental course design principles and apply them to the design of a new course or the partial/full re-design of an existing course. More information can be found [here](#).

Peer Observations of Classroom Activities (POCA)

POCA program is a network of faculty observing each other's teaching. Peer-observation programs can document the types of teaching practices on instructor and departmental levels, support professional development opportunities, and evaluate the effects of instructional interventions with pre and post observations. This program helps participants by conducting observations and providing an objective source of formative feedback for self-evaluation. More information can be found [here](#).

Faculty Teaching Fellows Program

ECEC offers a Faculty Teaching Fellow Program for COE faculty members who are interested in pursuing the scholarship of teaching. The program consists of three tiers. Tier 0 is open to all COE faculty members, and will focus on the fundamentals of teaching and learning. Upon the completion of Tier 0, faculty members can apply for Tier 1 (Teaching Fellow), and then Tier 2 (Teaching Scholar). More information can be found [here](#).

Excellence in Teaching Series

ECEC offers Excellence in Teaching Series (EITS) sessions throughout the academic school year. Example topics include post-COVID teaching, takeaways from teaching during the pandemic, and strategies for transitioning back to in-person teaching. More information can be found [here](#).

UNL Center for Transformative Teaching

The Center for Transformative Teaching promotes inclusive, innovative, research-informed & effective teaching at UNL. It offers variety of workshops and programs, including [Teaching and Learning Symposia](#), [Instructional Support Partnerships program](#), [Institute for Online Teaching](#), [Faculty-led Inquiry into Reflective and Scholarly Teaching \(FIRST\) program](#), [Reflective Practitioner Program](#), and [Teaching and Learning Workshops](#). More information can be found [here](#).

Diversity, Equity and Inclusion Development Program

Faculty of Color Symposium

The Faculty of Color Symposium is designed to recognize the perspectives and unique experiences of faculty of color, observe scholarly contributions and successes and determine paths forward in fostering a UNL community that celebrates diversity, inclusion, and equity in teaching, research, and service/extension/outreach. More information can be found [here](#).

Diversity Education Request

Requests can be made to the UNL Office of Diversity & Inclusion regarding diversity education. More information can be found [here](#).

Leadership Development Program

From Inspiration to Reality (FLAIR)

Executive Vice Chancellor's Office offers FLAIR to prepare faculty to advance their careers by taking on formal leadership roles. This leadership development program is for faculty with strong, untapped leadership potential who have the rank of associate or full professor (tenured, practice, research or extension) and who are either considering a leadership role or are in their first leadership position and considering continuing on a leadership path. Programming includes a series of workshops in the spring, a required summer reading list, and another series of workshops in the fall. Topics focus on leadership as it relates to the inspirations, realities, and opportunities within and outside of academic administration. Additional information can be found [here](#).

Additional Leadership Development:

UNL Executive Vice Chancellor's office offers additional leadership development programs, which can be found [here](#). In addition, UNL partners with Big Ten Academic Alliance (BTAA) on faculty leadership development programs, including [BTAA Academic Leadership Program](#) and [BTAA Department Executive Officers Program](#).

Research Focused Faculty Development Programs

UNL Research Development Fellows Program

The Research Development Fellows Program (RDFP) is an Office of Research and Economic Development initiative designed to provide full-time, pre-tenure faculty with the information, resources and approaches necessary to prepare competitive grant proposals. More information can be found [here](#).

Proposal Development Resources

NSF CAREER Club

The Office of Research and Economic Development's NSF CAREER Club is designed to support and guide early-career faculty at UNL in the development of a compelling and competitive NSF Faculty Early Career Development Program (CAREER) proposal. More information can be found [here](#).

Vice Chancellor for Research – Faculty Travel Awards

The Vice Chancellor for Research and Economic Development will consider faculty requests for travel awards to help defray the costs of travel to external funding agencies. More information can be found [here](#).

Grant Writing Seminar

The Office of Research and Economic Development offers an annual [Write Winning Grant Proposals](#) seminar each Spring semester. Faculty, staff and postdocs are able to select one of the seminar's four workbooks, depending on the source from which they plan to seek funding: National Institutes of Health, National Science Foundation, U. S. Department of Agriculture, or a general version geared towards smaller funding agencies and foundations. More information can be found [here](#).

Additional proposal development resources, including [Identifying Potential Funding Sources](#), [Proposal Guidelines, Templates and Outlines](#), [Institutional Information](#), [Proposal Library](#), [Broader Impacts Resources](#), and other resources are available [here](#).

Research Administration Programs

Research Administration Essentials Workshop Series

Research Administration Essentials workshops are designed to assist those involved in the administration of research grants for the University of Nebraska. More information can be found [here](#).

Research Compliance Services

All personnel involved in conducting research at UNL are highly encouraged to complete [Responsible Conduct of Research \(RCR\) training](#). However, in certain instances, this training is required in order to meet federal and sponsor requirements. RCR training is required when receiving funding from the National Science Foundation, the U.S. Department of Agriculture-National Institute of Food and Agriculture, and the National Institutes of Health.

More information can be found [here](#).

University of Nebraska Internal Funding Opportunities

UNL Internal Funding Opportunities

Internal funds are available from the Office of Research and from the Research Council to support research, scholarship and creative activities through annual university-wide competitions.

Office of Research sponsors following internal grants: Biomedical Research Seed Grants, Layman New Directions, Layman Seed Awards, and Revision Awards.

Research Council sponsors following internal grants: Grants-in-Aid, Faculty Seed Grants, Interdisciplinary Grants, Distinguished Lecturer, Visiting Scholar, Symposia, and Special Opportunity Fund

A full list of UNL FY 22 Internal funding opportunities can be found from More information can be found [here](#).

The Grand Challenges initiative

The University of Nebraska-Lincoln community has identified seven grand challenge thematic areas in which to focus its expertise and resources, as outlined in the [N2025 Strategic Plan](#). Now, faculty are charged with imagining how their areas of research, scholarship, creative activity and outreach intersect with these challenges and what specific opportunities within these areas they could work across disciplines to help solve. The Chancellor's Office and the Office of Research and Economic Development have committed \$40 million over four years to invest in strategic, goal-based solutions.

More information can be found [here](#).

University of Nebraska Collaborative Initiative

The primary purpose of the **Collaboration Initiative** is to enhance competitiveness of University of Nebraska faculty for extramural funding by fully leveraging intellectual capacity and research resources across the campuses. The **2021-2022** funding opportunity is designed to facilitate and strengthen research collaborations among NU faculty. More information can be found [here](#).

Nebraska EPSCoR First Award

Funded by the National Science Foundation's (NSF) infrastructure grant to Nebraska EPSCoR, the competitive FIRST Award grant program provides assistance to Nebraska's early-career, tenure-track faculty. The grants are designed to help early career faculty initiate their research programs and compete more effectively for NSF CAREER grants. Any project that could be supported by a National Science Foundation competitive research grant is eligible.

More information can be found [here](#).

Nebraska Center for Energy Sciences research – research grant awards

The Nebraska Center for Energy Sciences Research (NCESR), a collaboration between the Nebraska Public Power District (NPPD) and the University of Nebraska-Lincoln (UNL), was established in April 2006 to conduct research on renewable energy sources, energy efficiency and energy conservation; and to expand economic opportunities and improve quality of life for Nebraska and the nation.

More information can be found [here](#).

More information on research grant awards can be found [here](#).

Early Career Opportunities for Engineering Faculty (Federal Funding Sources)

Department of Agriculture

AFRI Foundational and Applied Science Program

A New Investigator is defined as an individual who does not have an extensive scientific publication record; has less than 5 years of postgraduate, career-track experience; and has not received Federal research funds as a faculty member (except USDA-AFRI Seed Grants and pre/postdoc fellowships). There are no set-aside funds for New Investigators, general program funds can be used to fund a New Investigator application. No citizenship requirements. The deadline for this program varies by program area. More information can be found [here](#).

Department of Defense (DoD)

Army Research Office (ARO) Young Investigators Research Program (YIP)

Information included in ARO Broad Agency Announcement (BAA) for Fundamental Research. This program is open to U.S. citizens, U.S. Nationals, and Permanent Residents holding tenure-track positions, and who have held their graduate degrees (Ph.D. or equivalent) for fewer than 5 years at the time of application. The deadline for this program is anytime.

More information can be found [here](#).

Air Force Office of Scientific Research (AFOSR) Young Investigators Research Program (YIP)

Supports scientists and engineers in Air Force mission-related basic research who have received Ph.D. or equivalent degrees within the last 7 years. This program is open to U.S. citizens, nationals, or permanent residents. The deadline for this program is in June.

More information can be found [here](#).

Office of Naval Research (ONR) Young Investigators Research (YIP)

Supports outstanding faculty members whose proposals address research areas (as described in the ONR Science and Technology Department section of ONR's website at www.onr.navy.mil) which are of interest to ONR program officers. This program is open to U.S. citizens, nationals, or permanent residents who have received their doctorate on or after 01 January (current year - 7 years). The deadline for this program varies. More information can be found [here](#).

DARPA Young Faculty Award (YFA)

The objective of this program is to identify and engage rising stars in junior research positions, emphasizing those without prior DARPA funding, and expose them to DoD needs and DARPA's program development process. This program is open to U.S. citizens, nationals, permanent residents, or foreign nationals currently on tenure-track or within 3 years of tenure date. The deadline for this program is October for the executive summary and January for the proposal. More information can be found [here](#).

Department of Energy (DOE)

Office of Science (SC) Early Career Research Program

Supports SC research in the following relevant program areas: Advanced Scientific Computing Research (ASCR), Biological and Environmental Research (BER), and Basic Energy Sciences (BES) - Materials Science & Engineering; Chemical Sciences, Geosciences, & Biosciences; Computational Materials and Chemical Sciences. No more than 10 years can have passed between the year the PI's Ph.D. was awarded and the year the application was issued (FMLA exceptions considered). The deadline for this program is November for the preapplication and February for the proposal. More information can be found [here](#).

National Aeronautics and Space Administration (NASA)

New (Early Career) Investigator Program (NIP) in Earth Science

The NIP in Earth Science places particular emphasis on the investigators' ability to promote and increase the use of space-based remote sensing through the proposed research in areas of Carbon Cycle and Ecosystems, Climate Variability and Change, Water and Energy Cycle. NIP is open to U.S. citizens and permanent residences with a PhD no more than 5 years on or after January 1 the issuance date of the ROSES NRA. The deadline for this program varies but is solicited every two years. More information can be found [here](#).

Early Career Faculty (ECF) Space Technology Research Grants

ECF supports research to investigate unique, disruptive or transformational space technologies; 2021 topics: (1) Advanced Computational Techniques for the Development of Cryogenic Refrigeration Systems; (2) High-Fidelity Emulation of Full-Physics Models in Earth Science; (3) Joining Processes for Shape Memory Alloys to Enable Advanced Structural Applications. The PI must be untenured and a U.S. citizen or permanent residence no later than August 1 following the proposal submission deadline. The deadline for this program varies. More information can be found [here](#).

Nancy Grace Roman Technology Fellowships for Early Career Researchers

RTF in Astrophysics supports skills development to lead astrophysics flight instrument development projects. PIs must first become an RTF Fellow and then apply for fellowship funds within two years. Fellow eligibility: untenured, U.S. Citizen/Permanent resident, received a Ph.D. on or after January 1 that is no more than 8 years before the issuance date of the ROSES NRA. The deadline for this program varies but note that August anticipated for fellowship funds. More information can be found [here](#).

National Institutes of Health (NIH)

Early-Stage Investigator (ESI) for R01-Equivalent Grants

R01-equivalent ESI applications with meritorious scores will be prioritized for funding. PI within 10 years of PhD who has not received a substantial NIH independent research award. The deadline for this program varies.

More information can be found [here](#).

NIH Director's New Innovator Award (DP2)

High-risk, high-reward research program (5 years, \$1.5M) for creative early career scientists. This deadline for the program varies but is anticipated for August.

More information can be found [here](#).

NIGMS Maximizing Investigators' Research Award (MIRA) (R35)

The goal of MIRA is to increase the efficiency and efficacy of NIGMS funding. MIRA grants will generally be for 5 years, for both established investigators and early-stage investigators (different RFAs). The deadline for this program is October.

More information can be found [here](#).

Research Training and Career Development

The deadline for this program varies.

More information can be found [here](#) for Early Research Career Development. More information can be found [here](#) for Research Career Development Awards.

National Science Foundation (NSF)

Faculty Early Career Development Program (CAREER)

NSF's most prestigious award for early-career faculty. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research. PI must be a tenure-track assistant professor as of October 1 after the proposal submission. PIs may submit up to three CAREER competitions. The deadline for this program is July.

More information can be found [here](#).

Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII)

The purpose of this program is to provide essential resources to enable early-career PIs to launch their research careers (please verify your resource eligibility prior to submission). PI must be in their first 3 years of a tenure-track appointment. The deadline for this program is August.

More information can be found [here](#).