

Director of the Center for Advanced Research Computing
(CARC)
The University of New Mexico

Direct Link: <https://www.AcademicKeys.com/r?job=268373>

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Posted Nov. 17, 2025, set to expire Mar. 29, 2026

Job Title Director of the Center for Advanced Research Computing (CARC)

Department Academic Home TBD at time of hire based on experience and background of candidate

<https://carc.unm.edu/>

Institution The University of New Mexico
Albuquerque, New Mexico

Date Posted Nov. 17, 2025

Application Jan. 7, 2026

Deadline

Position Start Fall 2026

Date

Job Categories Director/Manager

Academic Computer/Information Sciences
Field(s)

Job Website <https://unm.csod.com/ux/ats/careersite/18/home/requisition/35099?c=unm>

Apply Online <https://unm.csod.com/ux/ats/careersite/18/home/requisition/35099?c=unm>
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Job
Description

The University of New Mexico (UNM) seeks a dynamic, innovative, results-oriented, and proven leader for the position of **Director of the Center for Advanced Research Computing (CARC)**, one of UNM's premier strategic research centers. The selected candidate will report directly to the Vice

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President for Research (VPR) and will be open rank determined by the individual's academic background.

CARC is an internationally recognized center of excellence in advanced computing systems with a long history of research, innovation, and service in computing systems and computational science. The center's mission is to facilitate cross-disciplinary computational research at UNM and nation-wide by leading multi-disciplinary research and educational initiatives and by providing advanced computing services to the University community. CARC supported research at UNM includes faculty, staff, and students from many departments, colleges, research centers, and campuses, including the School of Engineering, the College of Arts and Sciences, the College of Fine Arts, the Quantum New Mexico Institute, and the UNM Health Sciences Center. CARC also actively collaborates with faculty and staff across campus and at Sandia and Los Alamos National Laboratories in educational initiatives to train the next generation of computational experts through programs such as the University's Computational Science and Engineering graduate certificate program.

To facilitate and execute research and superb educational opportunities in advanced research computing, CARC supports high performance and data intensive computing facilities used by the entire UNM community. These resources, managed directly by CARC staff, include multiple compute clusters that include state-of-the-art GPU resources, dedicated enterprise and high-performance storage systems, high-speed networking systems, and a wide range of software packages for use by the community of UNM researchers, including traditional scientific computing applications, state-of-the-art data analytics, and machine learning systems. These systems are housed in CARC's dedicated research data center with multiple UPS systems and cooling systems; UNM is also in the process of upgrading these facilities to support additional computing systems to support emerging research in AI and quantum computing. For a full description of CARC and its activities, please visit <http://carc.unm.edu>.

The University of New Mexico is classified as a Carnegie Doctoral/Research R1 University-Very High Research Activity. UNM's fifteen colleges and schools serve a large student population of over 28,000 at its main campus in Albuquerque. UNM provides an excellent environment for research-university education with experiential learning and training and produces highly trained researchers to our nation.

The successful candidate will:

- Prepare and implement a strategic vision and plan for CARC
- Enhance CARC's portfolio of external funding by facilitating and catalyzing interdisciplinary computational research by UNM faculty and the acquisition of grants and contracts awarded to support this research

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- Supervise CARC staff, projects, operations, facilities, and activities, including those that pertain to research administration functions and compliance with University, State, and Federal policies and regulations
- Fully integrate CARC's research mission with graduate and undergraduate educational programs across UNM as well as outreach efforts to New Mexico schools and communities
- Establish active collaborative research partnerships both within the University (e.g., other departments, centers, and institutes) and with strategic partners outside the university (e.g., national laboratories, industry partners, economic development agencies)
- Represent CARC to the University and external communities at all levels
- Participate in the VPR's Research Council to help develop and implement Office of the Vice President for Research (OVPR) initiatives and provide input and feedback to the OVPR leadership team
- Mentor early career investigators, post-docs, and students in developing research programs that fit within CARC's mission
- Prepare, oversee, and serve as responsible agent for the CARC budget, including oversight on sponsored projects, facilities usage, and staff compensation exercises
- Provide regular operational and planning reports to the VPR (monthly and yearly) and internal and external advisory boards (biannually and yearly, respectively)
- Establish a vibrant and well-funded collaborative research enterprise

Minimum Qualifications:

- D. (or equivalent/terminal degree) in a relevant field OR a Master's degree in a relevant field plus 2 or more years of experience serving as a PI or Co-PI on a sponsored research project
- 5 years of experience leading/directing complex computational team research projects or operations

Preferred Qualifications:

- Record of scholarly achievement and innovation in CARC mission-related or relevant areas (primarily advanced computer and computational science, including but not limited to high-performance computing, data-intensive computing, or computationally intensive science or engineering), commensurate with obtaining tenure at a top research university
- Ability to lead a research-based interdisciplinary center and enact (or develop) a clearly articulated strategic vision
- Record of success in securing competitive research funding, including for large, multi-

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investigator, multi-institutional projects

- Experience with the development, coordination, and integration of interdisciplinary graduate research and educational programs, as well as workforce development at all educational levels
- Experience with leadership and collaboration in interdisciplinary research as well as between universities, national laboratories, and industry partners
- Management experience, including oversight on day-to-day operations of center, research, and/or computing facilities, maintaining budgets, policy and process development and implementation, and supervision of staff
- Experience supervising or collaborating with information technology (IT) experts to deploy and manage computational systems that effectively meet the needs of researchers
- Experience developing and overseeing the enforcement of policies for effective, efficient, and safe management and use of advanced computing systems
- Experience with ensuring compliance with federal, state, and institutional regulations, laws, and policies as well as safety policies, practices, and regulations
- A demonstrated commitment to cultivate an understanding of the rich and varied cultures of New Mexico and to the success of the university's mission to serve local and global communities.
- Record of, or potential for, teaching courses in the selected home departments.

Application Instructions:

Requested Application Materials

- Cover Letter: Candidate's letter should address: the minimum and preferred qualifications highlighting their vision in the center, the focus area and academic rank for which they are applying, and their top two preferred home departments, rank ordered.
- Curriculum Vitae (CV)
- Research, Teaching, and Mentorship Statement (6 pages maximum, not including references): Candidate's statement should include: previous research experience including short- and long-term research goals, description of how their research ties to potential funding/funding agencies, description of teaching experience, teaching philosophy and overall pedagogical strategy, examples of teaching excellence. Candidates should describe their mentoring experience, philosophy, and commitment to student participation and success in the advanced computer and computational sciences, as well as working with communities similar to those in New Mexico and global communities.
- Management and Leadership Statement (4 pages maximum): Candidate's statement should include: record of accomplishment in management and leadership, guiding principles used for interacting with employees and colleagues, specific examples of actions to demonstrate effective leadership, record of accomplishment in leadership through advancing inclusive excellence, and

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how they will continue these efforts at UNM as the CARC director. The statement should include plans to mentor, support, and amplify voices in higher education and to foster healthy educational and research environments at CARC.

EEO/AA Policy

The University of New Mexico is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

1 University of New Mexico
Albuquerque, NM 87131