

Instructor, Design & Manufacturing Technologies
Foothill-De Anza Community College District

Direct Link: <https://www.AcademicKeys.com/r?job=256214>

Downloaded On: Apr. 28, 2025 3:40am

Posted Apr. 25, 2025, set to expire Jun. 1, 2025

Job Title Instructor, Design & Manufacturing Technologies
Department Faculty
Institution Foothill-De Anza Community College District
Los Altos Hills, California

Date Posted Apr. 25, 2025

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Lecturer/Instructor

Academic Field(s) Administration - Other

Apply Online Here <https://apptrkr.com/6168691>

Apply By Email

Job Description

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Instructor, Design & Manufacturing Technologies

HR EMPLOYMENT/CAREERS

Initial Review Date: 06/04/25*

*Any complete applications received after the review date will only be forwarded to the hiring committee at their request.

The Foothill-De Anza Community College District is currently accepting applications for the faculty position of Instructor, Design & Manufacturing Technologies, De Anza College.

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The Foothill - De Anza Community College District does not have a remote work policy. All employees are expected to be available to work in person and on-site per the requirement of the department. **DMT faculty are also expected to share the duties of teaching during daytime, evenings, weekends, online, and off-campus**

The Foothill-De Anza Community College District does not reimburse applicants for travel, lodging or any other costs incurred by applicant to attend interviews. All interviewing costs incurred will be the responsibility of the applicant.

De Anza College Mission Statement:

De Anza College provides an academically rich, multicultural learning environment that challenges students of every background to develop their intellect, character and abilities; to realize their goals; and to be socially responsible leaders in their communities, the nation and the world.

De Anza College fulfills its mission by engaging students in creative work that demonstrates the knowledge, skills and attitudes contained within the college's Institutional Core Competencies:

- Communication and expression
- Information literacy
- Physical/mental wellness and personal responsibility
- Civic capacity for global, cultural, social and environmental awareness
- Critical thinking

DUTIES AND RESPONSIBILITIES OF THE POSITION INCLUDE:

Under the direction of the Dean of Business, Computer Science and Applied Technologies, provide instruction in courses focused on Additive Manufacturing/3D Printing (AM) and Industrial Automation. Subjects in AM include, but are not limited to, concepts, theories, and working knowledge of AM. A thorough understanding of all seven ISO additive manufacturing standards including concepts in subtractive, formative, and joining techniques for engineering-grade thermoplastics, photopolymers, and metals is required. Additionally, experience in design for additive manufacturing (DFAM) and familiarity with 3D printing workflows and software systems is preferred. Topics in industrial automation include Industrial Automation operations, safety principles, maintenance, electric circuits, PLC programming, set up and operation, robotic arm programming and operation and automated systems. Additionally, knowledge of fundamental parametric CAD software, basic conventional and CNC

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machining operations, mechanical inspection, and materials and processes is desirable. Instruction should incorporate an understanding of material properties, manufacturing processes, mechanical systems, and tolerance standards, including GD&T, in both lectures and laboratory activities.

Maintain contacts with business, industry, and professional organizations for the purpose of keeping instructional programs current with advances in occupational or academic fields. Participate in professional development to enhance instructional and technical skills.

Standard duties expected of all faculty include development and evaluation of credit and non-credit curricula, such as, Credit for Prior Learning, Competency-Based Education, short-term course offerings, Dual Enrollment and Incarcerated Student offerings. Maintain scheduled office hours, attend department and division meetings, pursue professional growth activities, service on district and/or college committees, and perform other duties consistent with the role of an instructor, such as student recruitment and retention, mentorship, class schedule preparation, budget development, program review, and program development and evaluation. Instructors also have the opportunity to participate in a broad range of on and off campus extra-curricular activities.

In addition, instructors are expected to maintain a commitment and sensitivity to and respect for the diverse academic, socio-economic, ethnic, cultural, disability, religious background and sexual orientation of community college students, faculty and staff, and uphold a commitment to integrating equity practices in the College's Instructional Programs.

DMT faculty are also expected to share the duties of teaching during daytime, evenings, weekends, online, and off-campus.

MINIMUM QUALIFICATIONS:

1. Understanding of, sensitivity to, and respect for the diverse academic, socio-economic, ethnic, religious, and cultural backgrounds, disability, and sexual orientation of community college students, faculty and staff.
2. Bachelor's degree in related field **AND** two years of professional experience **OR** an Associate's degree **AND** six years of professional experience.

PREFERRED QUALIFICATIONS:

1. Occupational experience in Additive Manufacturing / 3D Printing and Industrial Automation.
2. Bachelor's degree in mechanical or manufacturing engineering/technology or related field with an

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emphasis in AM.

3. Six (6) or more years of related manufacturing experience.
4. Successful teaching experience at the post-secondary level.
5. Experience in Additive manufacturing, such as build and machine optimization, post-processing, familiarity with 3D printing workflows and software systems such as nTopology, Magics, NetFabb, PreForm, GrabCAD Print/Insight, 3D Sprint and Eiger.
6. Experience with Industrial Automation, such as safety principles, electrical circuits, PLC programming, robotic arm programming and operation, and automated systems.
7. Knowledge of solid parametric modelling systems using Creo, NX, or SolidWorks preferred.
8. Working knowledge of precision mechanical inspection and conventional and CNC machining operations.

In addition, successful candidates will demonstrate the following knowledge, skills and abilities:

1. Experience with pedagogy that engages and motivates students in their own learning process and develops critical thinking.
2. Willingness to make positive contributions to the department and the greater work of the college.
3. Commitment to professional growth.
4. Ability to assume a leadership role in developing innovative Design and Manufacturing Technologies curricula.
5. Ability to use instructional methods that reflect cultural sensitivity and to effectively teach a diverse student population.
6. Knowledge of material properties, manufacturing processes and operations scheduling related to advanced manufacturing.
7. Knowledge of quality systems, manufacturing inspection systems, and lean manufacturing techniques.
8. Knowledge of OSHA regulations related to industrial safety, material handling and disposal, electrical safety, and first response to fire and medical emergencies.
9. Ability and willingness to continuously improve instructional quality and enhance the learning process (e.g. by reviewing and utilizing innovative methodologies, techniques and delivery methods such as collaborative learning, service learning, learning communities, instructional technology and online education.)
10. Ability to communicate clearly both orally and in writing.
11. Strong computer skills and commitment to the use of technology in instruction.

WORKING CONDITIONS:

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Environment:

1. Indoor, office environment, and advanced manufacturing/automation facilities.

Physical Abilities:

(Applicants should perform these physical abilities with or without reasonable accommodations)

1. Hearing and speaking to exchange information.
2. Vision sufficient to read various materials.
3. Dexterity of hands and fingers to perform the tasks required of the position.
4. Regularly stand, walk, and sit for extended periods of time.
5. Bending at waist, kneeling, or crouching.
6. Reaching overhead, above the shoulders, and horizontally.
7. Lifting and carrying objects up to 20 lbs.

APPLICATION PACKET:

1. A District on-line application to be completed at <http://hr.fhda.edu/careers/> *In the application, you will provide information, which demonstrates your understanding of, sensitivity to, and respect for the diverse academic, socio-economic, ethnic, religious, and cultural backgrounds, disability, and sexual orientation of community college students, faculty and staff. Additionally, you will be asked to explain how your life experiences, studies or work have influenced your commitment to diversity, equity and inclusion.
2. A cover letter detailing your background and experience, skills, and abilities as they relate to the minimum and preferred qualifications of this position.
3. A current resume of all work experience, formal education and training.

If you wish to request equivalency for this position (if you do not otherwise meet the minimum qualifications via educational degree attainment as specified), you must submit the Request for Equivalency form and supporting documentation. This form must be submitted with your application packet. You may either scan a hard copy of this form with your application packet or submit it as a Word document with your application packet. http://hr.fhda.edu/_downloads/Equivalency.pdf

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Applicants will be **REQUIRED** to submit transcripts for salary placement purposes. Applicants who have international transcripts must obtain transcripts that are evaluated by an independent educational-equivalency evaluation company and obtain an English translation (if necessary). These services are to be done at the applicant's expense.

If any required application materials are omitted, the committee will not review your application packet. Application materials not required (including reference letters) for this position will not be accepted. For full-consideration, all application packets must be received by 11:59 pm on the closing date.

Please allow yourself ample time to complete your application and resolve any technical difficulties that may arise with your submission. We do not guarantee a response to application questions within 48 hours of the closing date. You may also visit our "Applicant Information" webpage to assist with technical difficulties at: <http://hr.fhda.edu/careers/a-applicant-instructions.html>

HIRING RANGE: \$72,704.00 - \$119,405.00 annually plus benefits; actual placement is based on applicant's verified education and experience.

For the complete Faculty Salary Schedule, go to: https://hr.fhda.edu/_faculty-information.html

Excellent benefits package which includes medical coverage for employee and eligible dependents, dental, vision care, employee assistance program, long term disability, retirement benefits and basic life insurance. Other voluntary benefits are also available such as legal assistance, pet insurance, and long-term care. Faculty are also eligible for paid professional development leaves and stipends for educational and professional development.

For information on our benefits package that includes medical for employees and dependents, visit our web site: <http://hr.fhda.edu/benefits/index.html>

TERMS OF EMPLOYMENT: Full-time, Tenure-track, 10-months per year.

STARTING DATE: Fall 2025.

Persons with disabilities who require reasonable accommodation to complete the employment process must notify Employment Services no later than the closing date of the announcement.

The successful applicant will be required to provide proof of authorization to work in the U.S.

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For more information about our application process contact:

Employment Services

Foothill-De Anza Community College District

12345 El Monte Road

Los Altos Hills, California 94022

Email: employment@fhda.edu

<http://hr.fhda.edu/>

This position will become Open Until Filled after the initial Closing Date. Any complete applications received while the position is Open Until Filled will be reviewed by the hiring committee only upon committee request.

To apply, visit <https://fhda.csod.com/ux/ats/careersite/4/home/requisition/2024?c=fhda>

Contact Information

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

Contact

Faculty

Foothill-De Anza Community College District

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