
Job Title	Advanced Manufacturing Instructor
PVN ID	LA-2112-004434
Category	Instruction and Social Service
Location	LAGUARDIA C. C.
Department	Career and Professional Programs
Status	Full Time
Salary	Depends on qualifications
Hour(s) a Week	35
Closing Date	Feb 08, 2022 (Or Until Filled)

General Description

LaGuardia Community College's Division of Continuing Education's Career and Professional Program (CAPP) in partnership with New York City Small Business Services (SBS), is seeking a full-time instructor to teach an intensive hybrid Advanced Manufacturing Apprenticeship program.

The learning outcomes for this training will be focused on providing technical and on-the-job skills in the advanced manufacturing field.

- 4 weeks virtual
- 8 weeks hands-on weeks
- OJT is 44 weeks

Training topics include: safety in advanced manufacturing; reading, interpreting and creating technical drawings; overview of advanced manufacturing operations, practices and factory workflows; metal fabrication; woodworking; 3d Printing; Laser cutting; using and adapting to Computer Aided Design (CAD), Computer Aided Manufacturing (CAM), and Computer Numeric Control (CNC) machinery.

Responsibilities:

- Deliver course content effectively according to defined course learning objectives and established curriculum, both in person and virtually.
- Deliver instruction of hands-on curriculum for advanced manufacturing in classroom and lab setting.
- Support the curriculum developer to create syllabus, outline, lesson plans, and supplemental materials in advanced manufacturing.
- Instructs students in the proper and safe use of lab equipment and tools.
- Explain and demonstrate operation of the lab equipment to the students.
- Maintain appropriate safety standards in the lab.
- Complete all required reporting on instruction which may include student learning outcomes assessment, surveys, reporting of no-shows and tracking of grades.

- Identify students in need of additional instruction and assist as needed.
- Respond to feedback on teaching approach and effectiveness, and adjust instructional strategy to - motivate students and respond to their learning needs.
- Supervise the lab assistant
- Participate in meetings as necessary.

Other Duties

Qualifications

- Minimum of 7 years experience in the advanced manufacturing field.
- Knowledge of advanced manufacturing operations, practices and factory workflows; metal fabrication; woodworking; 3d Printing; Laser cutting tools.
- Demonstrated competence in manufacturing practices and awareness of safety standards.
- Must be well-versed in metrology
- Supervision of others in manufacturing and classroom/training environment
- Knowledge of employer and individual skills needed to land employment in advanced manufacturing.
- Excellent oral and written communication skills.
- Demonstrated knowledge of and ability to integrate online and remote learning platforms into classroom instruction
- Demonstrated ability to provide diverse teaching methods to different learning styles. Must be able to teach students from diverse academic, socioeconomic, cultural, and ethnic backgrounds.
- Strong interpersonal and oral/written communication skills.
- Preferred experience with curriculum development and/or experience teaching advanced manufacturing training.
- College Degree in manufacturing related technologies or related field.
- Must hold the FDNYC Certificate of Fitness for Non-Production Chemical Laboratories (C-14) and OSHA 10-Hour DOL card.