



**YOUNGSTOWN
STATE
UNIVERSITY**

CLASSIFICATION SERIES:

N/A

CLASSIFICATION CODE/PAY GRADE:

92350/99

BARGAINING UNIT:

N/A - Intermittent

Chemistry Specialist

SERIES PURPOSE: The purpose of the Chemistry Specialist occupation is to train, supervise, and mentor students on the use and application of the thermogravimetric analysis-mass spectrometry (TGA-MS) system.

CLASS CONCEPT: The class works under general supervision and requires thorough knowledge of the TGA-MS system in order to help generate data, analyze, and interpret results.

JOB DUTIES: Incumbents may perform some or all of these duties or other job-related duties as assigned.

Trains, supervises, and mentors students on the use and application of the TGA-MS system; helps to generate data; analyzes and interprets results.

Assists in the preparation of manuscripts and thesis; serves on the thesis committee.

Other Functions and Responsibilities: Assists with training new hires.

Performs other duties as assigned and/or required that are within the level of responsibility for this classification at the discretion of the supervisor.

KNOWLEDGE, SKILLS, AND ABILITIES:

Knowledge of: TGA-MS systems; public relations; safety practices and procedures; mathematic principles

Skill in: operation of TGA-MS systems.

Ability to: interpret an extensive variety of technical material and documentation; use proper research methods in gathering data; gather, collate, and classify information about data, people, or things; coordinate activities of others and cooperate with others on group projects.

Effective 03/29/2020

(*) Developed after employment.

MINIMUM QUALIFICATIONS: Terminal degree; prior research experience; demonstrated experience in training and mentoring of students.

REQUIRED CERTIFICATIONS, TRAINING, AND/OR LICENSURES: None

PHYSICAL REQUIREMENTS: In accordance with the U.S. Department of Labor physical demands strength ratings, this position will perform sedentary work.

SEDENTARY: work involves exerting up to 10 pounds of force occasionally or a negligible amount of force frequently to lift, carry, push, pull, or otherwise move objects, including the human body. Sedentary work involves sitting most of the time, but may involve walking or standing for brief periods of time. Jobs may be defined as Sedentary when walking and standing are required only occasionally and all other Sedentary criteria are met.

UNUSUAL WORKING CONDITIONS: Not applicable