

Assistant Professor

DEPARTMENT: Civil and Mechanical Engineering
Employment Detail: Permanent, Full-Time

Applications received by April 3, 2017 will be guaranteed full review and consideration. Applications received after that date may be considered until an adequate applicant pool has been established.

DUTIES:

Assistant Professor Level: Job responsibilities include developing and instructing appropriate undergraduate labs and teaching undergraduate and graduate courses in the applicants declared area of expertise for Montana Tech's Civil Engineering Program. The person in the position is expected to initiate and sustain a research program and mentor students at the undergraduate and graduate level. She or he is also expected to provide service to the campus, community, and profession. Other intermittent teaching requirements, over time, will be limited to teaching statics and/or fluid mechanics (for the water resources engineering appointment) or statics and/or mechanics of materials (for geotechnical engineering appointment) in service to the campus.

REQUIRED QUALIFICATIONS:

- To be given full consideration, the candidate must possess a Ph.D. in Civil Engineering (Water Resources Engineering or Geotechnical Engineering) by the position start date.
- Excellent oral and written communication skills in English are critical.
- A P.E. license obtained in the United States is required before applying for promotion and tenure.
- Applicants must submit a complete application that includes the following: cover letter, resume, answers to the questionnaire, and three professional references,
- All items must be included for an application to be considered complete.

REQUIRED SKILLS:

Applicants who apply for the water resources engineering appointment, must have the ability to

- teach design courses, from at least two perspectives--residential, commercial, and/or heavy civil-- in at least two of the following areas of: 1) hydraulic structures 2) sub-division design 3) municipal infrastructure.

Applicants who apply for geotechnical engineering appointment, must have the ability to

- teach design courses from at least two perspectives--residential, commercial, and heavy civil-- in at least two of the following areas: 1) soil mechanics and foundation design, 2) piles, piers, and deep foundations 3) applied geotechnical design.

PREFERRED QUALIFICATIONS:

Water Resources Appointment. Proven competency in one or more of the following areas:

- 1) control of water flow through the analysis and design of dispersion, siltation, pump systems, and discharge,
- 2) analysis and design of storm water management, sub-division design, and municipal infrastructure.
 - Demonstrable experience with appropriate software packages including but not limited to: Civil 3D, AutoCAD, and/or C.F.D.
 - Current funding for research, industry experience, professional licensure, and successful college-level teaching experiences are preferred.

Geotechnical Engineering Appointment. Proven competency in one or more of the following areas:

- 1) analysis and design of foundation and retaining structures
- 2) soil behavior for residential, commercial, and heavy civil projects including water & erosion control.
 - Demonstrable experience with appropriate software packages including but not limited to: Limit State, GEO, GRL, and/or GRLWEAP. Current funding for research, industry experience, professional licensure, and successful college-level teaching experiences are preferred.

To apply, please submit the following items:

Letter of application, Resume', **Completed questionnaire** obtained at www.mtech.edu/employment ,

Name and contact information for 3 professional references

The items listed above should be sent or e-mailed to:

Montana Tech Human Resources, 1300 West Park Street, Butte, MT 59701
e-mail: HumanResources@mtech.edu Phone: 406-496-4380 Fax: 406-496-4387

Any offer of employment is contingent upon a satisfactory criminal background