SEARCH PROSPECTUS:
Director of Engineering Programs

HANOVER COLLEGE
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Hanover College is in the final stages of establishing an Engineering Program and is currently seeking a Director to lead the program starting in Fall of 2018. Academic Search is assisting the College with this search, seeking candidates and nominations through November 20, 2017, at which time a full Search Committee review will begin.
Hanover College is a selective private liberal arts institution whose diverse students, faculty and staff believe in lifelong inquiry, transformative learning, and meaningful service. Founded in 1827, the College enrolls 1,089 undergraduate students in a rural setting on 640 stunning wooded acres, ranking it the 18th most beautiful campus by Princeton Review. The College has historical ties to the Presbyterian Church, and employs 109 faculty and 157 staff, some of whom live on the campus.

Hanover College is located in Southeastern Indiana, near the picturesque city of Madison, home to a historical downtown, an inviting riverfront and Clifty Falls State Park. Madison hosts frequent events and concerts, including the Madison Regatta, the Ribberfest Blues Festival, and the Chautauqua Festival of Art. The College is also within driving distance of three major cities: Louisville (45 minutes), Cincinnati (75 minutes), and Indianapolis (90 minutes). Hanover’s beautiful campus overlooks the Ohio River, allowing ample opportunities for coursework, fieldwork, recreation, competition, and reflection.

Students at Hanover develop strong critical-thinking, writing, speaking, and problem-solving skills in interactive classrooms, laboratories, studios, and performance halls as they pursue one or more of 30+ major areas and programs of study. Students receive personal attention, based on a 13:1 student-faculty ratio, from experienced professors of whom 95% hold terminal degrees. Hanover is a challenging but supportive environment.

Students enjoy a broad range of learning opportunities beyond the classroom. They can work in partnership with a faculty mentor in pursuing research. The Office of Experiential Learning coordinates a tuition-free, academic internship for any interested student. Similarly, the Business Scholars Program (open to all majors) arranges paid, project-based internships wherein participants apply their knowledge, gain experience, and develop their resumes. Such opportunities have contributed in no small part to the success of Hanover graduates in careers and further studies.

Opportunities for cultural immersion are also an important aspect of the Hanover experience. The Career Center offers semester-long programs in Philadelphia, Washington, D.C., and Chicago, allowing students to learn and to explore possible careers in major cities. Hanover also supports a global education, encouraging every student to travel and study abroad before graduation. Substantial financial aid makes affordable four-week Spring Term courses in countries such as England, Ireland, Italy, South Africa, China, Japan, and Vietnam and semester-long partner programs in Australia, Turkey, Belgium, Germany, France, Spain, Mexico, and other countries.

On campus, over a third of students participate in one of the 20 NCAA Division III varsity sports. The College also has 56 clubs/organizations established and run by students, including the newly approved Engineering Club. The majority of students also choose to participate in Greek life through one of the on-campus fraternities/sororities.

At Hanover College, 100% percent of full-time undergraduates receive financial assistance (averaging $24,729) from the College. Recognizing the importance of giving back, Hanover alumni support their alma mater, giving back at a rate of 17.29%. Currently, the College possesses a healthy endowment of $142 million.
The Engineering Program is a new initiative introduced to enhance academics, respond to student interest in STEM disciplines, meet the needs of employers in the region and beyond, and attract new revenue streams for the College.

The Program seeks to offer two undergraduate degrees:

1. A Bachelor of Science (BS) in Engineering
2. A Bachelor of Arts (BA) in Engineering Science.

Engineering minors are not offered. Students are required to take all the liberal arts requirements, namely, the Core Curriculum Requirements and Areas of Competency and Engagement.

The program is to be headquartered in a new and independent Department of Engineering within the Natural Sciences Division.
The mission of the Hanover Engineering program is to offer an excellent grounding in the ideas, skills, and experience of engineering within a liberal arts environment, so that students can succeed in their profession and make positive contributions to society. The program balances a focus on engineering fundamentals with practical applications and emphasizes critical thinking, creative problem solving, and innovation. We challenge our students to collaborate, communicate effectively, and complete research projects with faculty or through internships. We cultivate a love for lifelong learning as an essential means to thrive in a world of constant change. We encourage students to pursue further studies or careers with confidence, insight, and a broad perspective.

The goals of the program include:

1. Educate competent and responsible engineers.
2. Complement and augment the science programs at Hanover College while strengthening intellectual and educational bridges between departments in the spirit of the liberal arts.
3. Reinforce the College and its academic reputation, integrating quality career-oriented degrees with the liberal arts curriculum.
4. Increase the regional, national, and international visibility of the College. Success of the Engineering program could serve as a model for similar initiatives and the introduction of new programs.
5. Increase the outreach and impact of Hanover College in Jefferson County and beyond by establishing/strengthening mutually beneficial partnerships with local and other industry as well as educational institutions.

The Engineering curriculum is designed for those who wish to pursue career paths in engineering or applied science through research, teaching, industry, or entrepreneurial engineering. It prepares students for advanced studies as well as professional employment. Hanover Engineering graduates will demonstrate:

- Knowledge of fundamental principles of engineering.
- Ability to conduct, analyze, and interpret experiments.
- Ability to identify, formulate, and solve engineering problems applying math and science.
- Ability to communicate and collaborate effectively.
- Ability to understand multi-faceted problems from technical, cultural, social, and economic perspectives.

The Engineering Science curriculum attracts students who wish to integrate their studies with diverse cognate areas and thus benefit from a more interdisciplinary engineering experience. It provides students with a balanced background in mathematics, science, engineering while
encouraging them to integrate diverse liberal arts curricula, for example business, economics, or arts and design, so that they competitively pursue careers in engineering management, consulting, public service, business, or entrepreneurship. Alternatively, they may choose to engage with further studies in engineering or related fields after graduation.

Engineering and Engineering Science graduates develop the ability to think creatively and function across disciplines as they plan, build and/or manage systems to maintain and improve our lives. Combining a scientific, technical, and liberal arts education, students are prepared to convey solutions to both specific and multi-dimensional problems which require social and global perspectives. Hanover engineers demonstrate professional growth, provide leadership, and contribute to the needs of society.

The program will be officially implemented in the 2018-2019 academic year.
Hanover College is excited to begin seeking leadership for this program. The Program Director will have teaching responsibilities in addition to overseeing the official launch of the program. Hanover College solicits applications for a full-time tenure-track position (rank open) in mechanical engineering, beginning June 1, 2018. As part of the requirements for this role, the applicant must hold a Ph.D. in mechanical engineering or a related engineering field.

The successful candidate will teach a wide range of undergraduate courses in mechanical engineering during a two-year cycle. Subject areas include most of the following: Introduction to Engineering and Design, Mechanical Engineering Tools, Instrumentation and Statistics, Numerical Simulation, Mechanics of Materials, Thermofluids Engineering, Control Theory and Design, Manufacturing and Design, and Introductory Physics.

Additional academic responsibilities include:

- Lab course design and set up starting in the summer of 2018.
- Development of a research program that can involve undergraduate students.
- Advising and mentoring engineering students.
- Programmatic responsibilities include:
  - Cultivate corporate partnerships and internship/co-op opportunities for engineering students.
  - Serve as ex officio member of the Hanover Engineering Advisory Board (HEAB) and coordinate its activities.
  - Serve as the College liaison with the Jefferson County Industrial Development Corporation (JCIDC).
  - Assist with student recruitment into and retention within the Engineering programs (e.g., availability to meetings with prospective students and parents, engineering information sessions, registration sessions, scholarship interviews, Engineering Day, engineering summer academy, engineering competitions, and other related events).
  - Advise on the maintenance and modification of digital and print marketing materials for the program.
  - Oversee the expenditure of departmental funds in an efficient and appropriate manner.
  - Be responsible for departmental scheduling and reports.
  - Mentor and encourage personal, professional, and intellectual growth within the Engineering Department.
  - Guide the improvement of all aspects of the program including curriculum, objectives, equipment, facilities, and research. Pursue grant opportunities.
  - Lead the ABET-accreditation process for the engineering programs.
  - Lead the expansion of the programs and searches for new engineering faculty members.

The position reports to the Vice President for Academic Affairs and Dean of the Faculty, Dr. Steve Jobe.
Applications should consist of a substantive cover letter addressing the qualifications and desired attributes listed above, a resume/curriculum vitae, a statement of teaching philosophy, a statement of research interests, and a list of at least five professional references with full contact information and a note indicating the nature of your working relationship with each. References will not be contacted without explicit permission from the candidate. Applications, nominations, and expressions of interest can be submitted in confidence to:

HanoverEngineering@academic-search.com

The positions will remain open until filled, but applications received by November 20, 2017, will be assured full consideration.

Academic Search Inc. is assisting Hanover College in its search for the Program Director. Confidential discussions about this opportunity may be arranged by contacting Kate Nolde, Senior Consultant, at: kvn@academic-search.com or Disa Mason, Associate Consultant, at: dtm@academic-search.com

Hanover College is committed to providing equal access to its educational programs, activities, and facilities to all otherwise qualified students without discrimination on the basis of race, national origin, color, creed, religion, sex, age, disability, veteran status, sexual orientation, gender identity, or any other category protected by applicable state or federal law. An Equal Opportunity employer, the College also affirms its commitment to nondiscrimination in its employment policies and practices. In compliance with Title IX (20 U.S.C Sec. 1681 et seq,) Hanover College prohibits sex discrimination, including sexual harassment.
ABOUT ACADEMIC SEARCH

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