

RH PERRY & ASSOCIATES
SEARCH COUNSEL TO HIGHER EDUCATION



INDIANA **TECH**

EXECUTIVE SEARCH PROFILE

**DEAN OF THE TALWAR
COLLEGE OF ENGINEERING AND
COMPUTER SCIENCES**



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The Opportunity

Indiana Tech seeks applications and nominations of outstanding leaders for its next Dean of the Talwar College of Engineering and Computer Sciences. The Dean will have the opportunity to develop cutting-edge programs in Engineering and Computer Sciences and continue to build on the historical successes of this college.

The Institution



Founded in 1930 as an engineering college for men, Indiana Tech today is a comprehensive university with a core purpose of providing career-focused, professional programs of higher education. Indiana Tech is a four-year private, not-for-profit university regionally accredited by the Higher Learning Commission. Indiana Tech has cultivated a strong financial position over the last decade, a hallmark of a proactive business model approach to decision-making and sound fiscal stewardship.

The university's dedicated faculty and staff offer a rich mix of academic programming. Indiana Tech delivers programs on campus, at eight regional locations, and online, leading to certificates and degrees at the Associate, Bachelor's, Master's, and Ph.D. levels for both traditional and non-traditional students. Indiana Tech has three academic units: the College of Business; the Talwar College of Engineering and Computer Sciences, and the College of Arts and Sciences. The three Colleges oversee Indiana Tech's academic programs for non-traditional students as well as its traditional undergraduates.

The traditional undergraduate student body includes 1,500 students who matriculate on the beautiful grounds of the residential main campus adjacent to downtown Fort Wayne, the second largest city in Indiana, where revitalization in recent years has made it a regional success story. More than half of these undergraduate students are involved in NAIA intercollegiate athletic programs, many of which have national prominence.

More than 4,000 students are enrolled in the university's online programs at the undergraduate and graduate levels. These non-traditional students typically take classes online and/or at one of Indiana Tech's classroom and partner locations in Indiana. The online program has steadily grown and at this time, over 75% of non-traditional classes are taken in the online format. Indiana Tech is committed to supporting its broad array of programming in the classroom and online to ensure its future growth.



The Institution



Dr. Karl Einolf assumed the presidency of Indiana Tech in July 2017, and has made raising academic quality, increasing retention and graduation rates, and improving the student experience top priorities for the university. The traditional undergraduate student population has seen growth in enrollment to 1,500 students, and the campus has expanded its residence life services and facilities. Indiana Tech is in excellent financial condition, with minimal debt. The endowment has grown to over \$160 million, with net surpluses smartly reinvested over the last several years.



On the Fort Wayne campus, several state-of-the-art buildings and facilities have been recently constructed or upgraded, and the campus has little deferred maintenance. The Zollner Engineering Center, which houses the Talwar College of Engineering and Computer Sciences, completed a \$21.4 million renovation expansion in January 2024. The updated and expanded spaces increased to 70,000 square feet, including new labs and classrooms for current and new programs, updated equipment, and modernized student engagement spaces to facilitate collaborative learning.

The renovated facility has 28 specialized laboratory and collaboration spaces that can also serve as classrooms; a central 24/7 computer lab; and six general-purpose classrooms. Laboratories in the building include a 3D design lab, an Additive Manufacturing Lab, a Biomedical Engineering Cadaver Lab, a Power and Controls Lab, a Robotics Design Lab, a Thermal Sciences Lab, a CAD and Engineering Lab, an Automation and Isolated Network with a Cybersecurity Operations Center (SOC), a Network Operations Center (NOC), a Computer Sciences Data Center, a Digital Forensics lab, a Computer Lab, and a Software Engineering Lab. Students have real-time experiences in monitoring live networks that they manage and help support. The Computer Science faculty, along with dedicated staff, manage and maintain the technical equipment. This expansion significantly enhances Indiana Tech's ability to provide students with experiential learning opportunities, preparing them for engineering and technical careers.





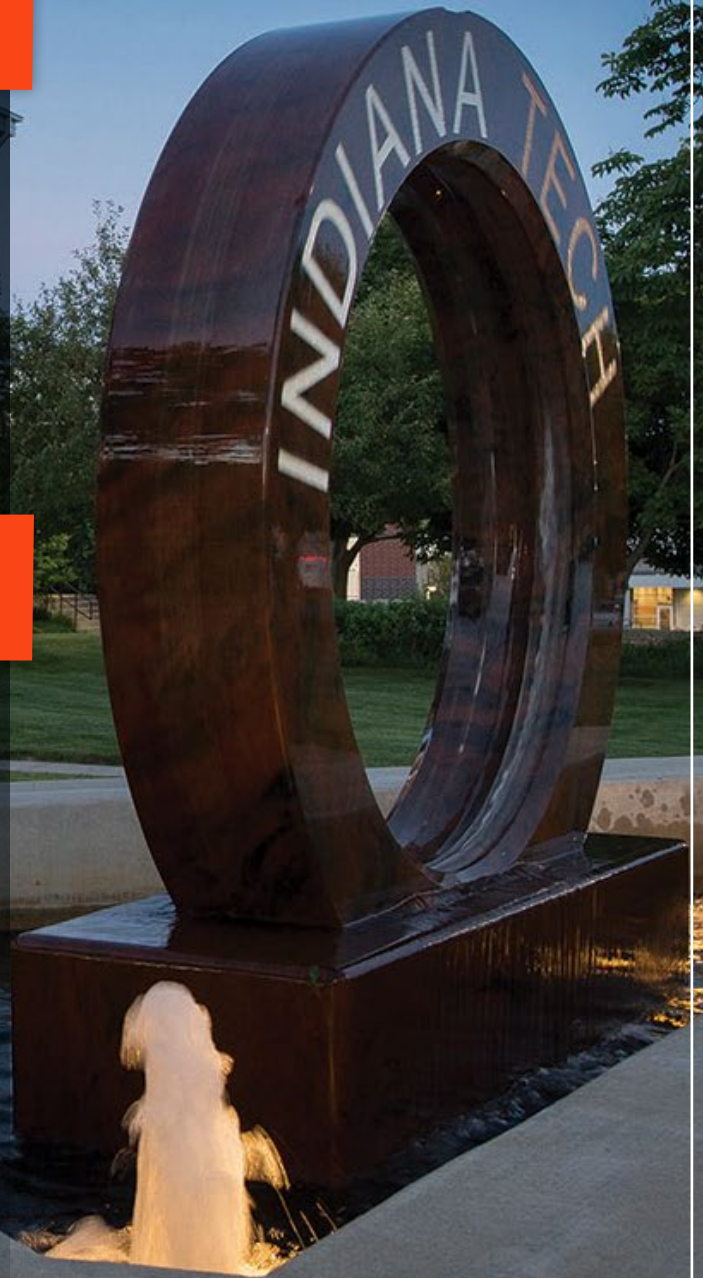
INDIANA TECH

Mission

Indiana Tech provides learners a professional education; prepares them for active participation, career advancement, and leadership in the global 21st century society; and motivates them toward a life of significance and worth.

Just Cause

We seek to empower every person in the world to increase their knowledge, build their skills, reach their fullest potential and positively impact their community.





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Core Values

Respect

Treating all stakeholders fairly and equitably.

Commitment

Affirming an unceasing dedication to educating the whole learner.

Honesty

Demonstrating truthful behavior in an open environment.

Passion

Possessing a burning desire to fulfill its purpose, mission, and vision.

Integrity

Behaving consistently with mission and core values.

Belonging

Welcoming all to our community and encouraging all voices to be heard.



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Diversity & Inclusion

Indiana Tech embraces diversity and equal opportunity intentionally. We are committed to the recruitment, engagement, and retention of students, faculty, and staff who represent a variety of backgrounds, perspectives, and skills. We believe that diversity and inclusion among our entire campus community are critical to our success with respect to the education and advancement of our students in becoming global citizens.



Background



The Talwar College of Engineering and Computer Sciences provides a career-focused, hands-on educational experience that inspires students to find new and better ways to address the challenges of the 21st century. Engineering students may choose from among four Associate of Science degree programs (Electrical Engineering Technology, Information Technology, Industrial and Manufacturing Engineering, and Mechanical Engineering Technology); eight Bachelor of Science engineering degree programs (Biomedical Engineering, Computer Engineering, Electrical Engineering, Engineering (four tracks), Industrial & Manufacturing Engineering, Mechanical Engineering, Mechanical Engineering Technology, and Mechatronics & Robotics Engineering); and four Masters of Science degree programs (Cybersecurity, Engineering Management, Engineering Management – Information Systems, and Information Systems).

The Talwar College of Engineering and Computer Sciences also offers four Bachelor of Science degrees in computing majors (Cybersecurity, Information Systems, Network Engineering, Software Engineering).

The Bachelor of Science programs in Biomedical Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET. The Bachelor of Science in Computer Science is accredited by the Computing Accreditation Commission of ABET. Indiana Tech's cybersecurity program has also been designated by the National Security Agency (NSA) as a Center of Academic Excellence -Cyber Defense (CAD-CD).

The university has developed a successful track record in external grant funding applications, including recent grants of \$1 million from Lilly Endowment Inc.'s Charting the Future initiative; \$1.5 million from the U.S. Department of Commerce; and \$1.7 million from the Don Wood Foundation to support Talwar College laboratories, equipment, and new program development.



Background



The Dean leads a group of 26 dedicated faculty members, ranging from those with long tenures at Indiana Tech to several new faculty hired over the past three years to support program growth. The Associate Dean of Engineering reports to the Dean. The Dean reports to the Vice President for Academic Affairs and is a member of the university's Senior Leadership Council.

The Talwar College of Engineering and Computer Sciences continues to expand its online program offerings. To support this growth, Indiana Tech has created an Online Learning Team consisting of the Dean of Online Learning, three Assistant Deans of Online Learning (One of these provides direct support to the Talwar College of Engineering and Computer Sciences), six Instructional Designers, and a team of six Student Support Advisors. This new construct provides the necessary support needed for non-traditional program growth and success.

The Talwar College also recently launched the Northeast Indiana Center for Engineering (NICE), a center of excellence that provides services, entrepreneur support and workforce training and development to organizations

throughout the region. Through the facilities in the Zollner Engineering Center and the skills of the Talwar College's faculty, staff and students, the NICE offers prototyping, tolling, design and new product development services, along with opportunities for regional employers to provide workforce training and education opportunities to support their talent attraction, development and retention needs.

Closely related to its work at the NICE, Indiana Tech is currently seeking grant funding for the establishment of an advanced HardTech and advanced manufacturing innovation center at the Electric Works campus in downtown Fort Wayne. Electric Works is a mixed-used innovation district that centers on the rebirth of a historic General Electric campus in the heart of the city. This ambitious project concept will expand upon the core strengths of Indiana Tech, the Talwar College and the NICE, in partnership with Fort Wayne Community Schools and its Amp Lab at Electric Works program; the City of Fort Wayne; the Northeast Indiana Innovation Center; Ancora (developer of Electric Works); regional corporate partners and more.



Opportunities & Challenges



The new Dean of Engineering will have the opportunity to provide strong leadership and advocacy for faculty and staff to enhance and elevate academic programs at the university. The next Dean will be the principal champion for shaping and realizing an innovative vision and strategic direction for academics at the Talwar College. The next Dean will receive broad support for a creative and aggressive approach to building, launching, and growing new programs. Indiana Tech moves rapidly on new initiatives, but not at the expense of quality. This “can-do” culture gives the next Dean a chance to affect change rather quickly, at a speed not often seen in higher education.

The Talwar College of Engineering and Computer Sciences successfully completed the ABET accreditation for four engineering programs in 2021, with the next accreditation cycle scheduled for the 2027-2028 academic year. The ABET visit cycle for Computer Science B.S. will be in the 2028-2029 academic year. The self-study for ABET accreditation for Electrical Engineering Technology A.S. will be submitted by July 1st, 2024, with the official site visit scheduled for September 2024. It is expected that the new Dean will have significant experience with ABET accreditation; prior experience as an ABET evaluator is preferred.

Indiana Tech recently completed a significant expansion and renovation building project for the college's Zollner Engineering Center through the support of alumni, foundation and corporate benefactors. As the advocate for the Talwar College, the next Dean will have ample opportunity to further develop and enhance strong relationships with alumni and friends of the College.

In addition, the Dean will be counted on to:

- Implement academic strategies that will increase retention and graduation rates;
- Improve the operations and the academic oversight in all academic programs for traditional undergraduate students and for adult students who take courses online and/or at eight locations throughout the region;
- Enhance the curriculum across all modalities for all programs within the college; and,
- Foster a culture of results and nurture cohesion and community among faculty, staff, and students.
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Qualifications



The campus community seeks a new Dean of the Talwar College of Engineering and Computer Sciences with vision and an entrepreneurial spirit – a leader who demonstrates a commitment to the mission and values of Indiana Tech. The successful candidate will possess a Ph.D. in a field of engineering or computer science from a regionally accredited institution of higher education. Industry experience is not required but would be a plus. The successful candidate will have a strong academic background in teaching, service, and professional activities, and a proven track record in academic administration, with specific experience in assessment processes, accreditation procedures, and new program development to be appointed as a tenured professor in the university.

In addition, it is expected that the next Dean will:

- Provide strong leadership and a dynamic vision for the Talwar College of Engineering and Computer Sciences that accelerates the college's success in the current and future landscape of higher education;
- Establish external industry partnerships for workforce development, research, prototyping, student internships, advisory board service, and support for new programs;
- Communicate effectively with all constituents and serve as an articulate advocate for all Talwar College of Engineering and Computer Sciences programs to alumni, donors, and friends of the college;
- Encourage and engage in the growth of the college's external funding success through philanthropic development and grant applications;
- Lead actively, think strategically, and demonstrate the ability to build and support successful teams;
- Ensure the Talwar College of Engineering and Computer Sciences meets ABET accreditation and CAE-CD designation standards and principles;
- Advocate for both traditional and non-traditional learners and demonstrate a commitment to serving students;
- Promote excellence in instruction, course development, and effectively manage online programs;
- Support faculty in connecting students to internships, professional associations, and experiences, leading to strong post-graduate placements; and,
- Increase visibility of and enrollment in current and new programs

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Application Procedures

Completed applications are due by **May 1, 2024**. To ensure full consideration, you will be required to submit: 1) a current resume or CV; 2) a cover letter addressing the position; and 3) the contact information for three professional references. Submit your application securely through our website [here](#).

For Further Information, Contact:

Dr. Sue DeWine
SENIOR CONSULTANT
(812) 701-8892

IndianaTechEngineering
@rhperry.com

Dr. Pam Shockley-Zalabak
SENIOR CONSULTANT
(719) 351-2275

IndianaTechEngineering
@rhperry.com

RH PERRY & ASSOCIATES
206 East Chestnut Street
Asheville, NC 28801
www.rhperry.com

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Indiana Tech is an equal opportunity employer.

For more information about Indiana Tech, please visit

www.indianatech.edu