



TAYLOR UNIVERSITY

Opportunity Profile
for Faculty Position
Physics and Engineering





The Institution

For 175 years, Taylor University has been one of the most Christ-centered, student-focused universities in the world. A new presidential administration has catalyzed a season of significant energy and excitement on campus. The University recently completed a yearlong strategic-planning process that drew thousands of supporters deeper into their relationship with the University, a process we believe will move the University from excellence to eminence in a host of areas. This is an exciting time to be at Taylor.

Founded in 1846, Taylor is recognized as an institution that prizes student learning, celebrates intentional community, leads in the work of faith-learning integration and stands as the oldest non-denominational school within the Council for Christian Colleges and Universities (CCCU). Each member of Taylor's dedicated faculty and staff is devoted to the intellectual and spiritual formation of students—in classrooms and residence halls, on the athletic turf and performance stage, and around the world.

The culture of Taylor is one of high collegiality, deep care for one another, and shared Christian commitment. Again this year, Taylor was named the #1 university in the Midwest by U.S. News and World Report, and for 25 consecutive years, Taylor has been ranked as one of the top three universities in the Midwest and one of America's Top Colleges according to Forbes.

In addition, Taylor has been named a "Christian College of Distinction" with four notable strengths: engaged students, great teaching, vibrant communities, and successful outcomes.

In addition to their deep commitment to Christ, Taylor students distinguish themselves by academic passion, spiritual commitment, and active engagement on campus. Two satellites built by Taylor students were launched into space in early 2021. And in the fields of finance and investment management, a team of Taylor students won QGAME – a national competition among business students who manage portions of their institution's endowment. Recently, ten Taylor student athletes were named CoSIDA Academic All-Americans, ranking Taylor first in the NAIA and fifth in the nation across all collegiate levels.

Taylor students are part of a larger ecosystem of broad institutional support and loyalty. In fact, virtually all (97%) current parents would support their child's choice to attend Taylor again, which is higher than many peer institutions. The percentage of Taylor alumni contributing financially to the University every year is double the national average, and Taylor is ranked number one in the Midwest in freshman retention by U.S. News and World Report.

Mission Statement and Foundational Documents

Taylor's mission is to develop servant-leaders marked with a passion to minister Christ's redemptive love, grace and truth to a world in need.

We accomplish this mission by striving to be:

- **Whole Person Focused:** We involve students in learning experiences imbued with a vital Christian interpretation of truth and life which foster their intellectual, emotional, physical, vocational, social, and spiritual development.
- **Biblically Anchored and Liberal Arts Grounded:** We offer a liberal arts, professional, and life-long education based upon the conviction all truth has its source in God and His Word.
- **Christ-Centered:** Our Christian faith should permeate all learning—leading to a consistent life of worship, servant leadership, stewardship, and world outreach.
- **Faith and Learning Integrated:** We strive to create specific experiences where the integrative focus of a Christian liberal arts education is clarified, personalized, and applied.
- **World Engaging:** We contribute to the advancement of human knowledge and understanding and serve the evangelical Christian church and the larger, public community for the glory of God.
- **Servant Leader Motivated:** We foster a biblical model of relationships acknowledging both unity and diversity of the followers of Christ within a covenant community, which can be evidenced in a continuing lifestyle of service to and concern for others.

Foundational Documents

A series of Foundational Documents make clear the University's interpretation and biblical understanding of a host of issues that relate to studying, living, and working together in a Christ-centered community. Faculty candidates should be able to wholeheartedly affirm and endorse each of these documents annually. They are the following and can be located online [here](#).

- 1) Statement of Faith
- 2) Life Together Covenant
- 3) Sanctity of Life Statement
- 4) Multicultural Philosophy Statement
- 5) Statement on Human Sexuality



Academic Excellence, Dedicated to Truth



With more than 125 degree programs for study at the undergraduate level, Taylor also instills broad understanding and knowledge through its respected Foundational Core curriculum. Throughout the educational journey, the University encourages students to ask hard questions, to apply themselves to the tasks at hand, and to embrace their callings. In addition to the 130-plus fulltime instructional faculty, Taylor's unique academic environment includes student development professionals with advanced degrees and administrators who also hold faculty rank. In the aggregate, this contributes to a much richer context for intellectual formation and intentional academic community on the Taylor campus. It also produces a learning environment marked by distinctive excellence, as exemplified by the following accolades:

- Taylor ranks second among Indiana schools (including Notre Dame and Purdue) and second nationally among CCCU schools (including Westmont, Wheaton, and Calvin) for average incoming students' SAT score.
- Taylor is ranked third nationally among baccalaureate schools for the number of students who participate in study and service abroad opportunities.
- Virtually all members of the Class of 2021 (99%) secured a full-time or part-time job, post-graduate internship, or graduate school placement within six months following graduation.

You can read more about Taylor's academic accolades and awards in the [Taylor University Profile](#).

Taylor University is seeking applications and nominations of distinctive candidates for a faculty appointment to a tenure track position in the Department of Physics and Engineering beginning in August 2024, teaching primarily in the area of Mechanical Engineering. Rank and salary are dependent upon qualifications and experience.

Qualifications

A PhD in Mechanical Engineering or a closely related field is required.

Candidates with a MS in Mechanical Engineering and significant mechanical engineering work experience may be considered for a non-tenure track faculty position. P.E. licensure is preferred for these candidates.

A personal commitment to Christ as Savior and Lord, a Christ-centered, vibrant faith, and commitment to the mission and educational philosophy of Taylor University are required. Candidates will be expected to affirm the Taylor University Life Together Covenant, Statement of Faith, and essential documents.

Professional Engineer (PE) licensure is favorable but not required.

About the Department

The Department of Physics and Engineering (ENP) is primarily housed in the 127,000 square foot LEED Gold certified Euler Science Complex, opened in 2012. The department hosts a full machine shop, a rapid prototyping lab with 3D printers and an LPKF printed circuit board machine, a drone room, and multiple research spaces. The engineering initiative is on the university's strategic plan for growth and the department recently received a transformational partnership and grant focused on the integration of Taylor's established engineering program with entrepreneurship.

Under the direction of faculty and staff, engineering students participate in curricular and co-curricular research in areas including small satellites, 3D printing for Mars habitation, virtual reality, and international, missions-based water treatment, among others.

The Department of Physics and Engineering faculty and support staff serve traditionally high achieving students in the following academic majors: Engineering (ABET accredited) with Electrical Engineering, Mechanical Engineering, Physics, and General Engineering tracks, Computer Engineering (ABET accredited), Physics, and Physics Education. A minor in Physics and Applied Physics are also offered. Taylor University and the Physics and Engineering Department are committed to providing new and seasoned faculty with an environment to serve, integrate faith and learning, thrive, and succeed.

Responsibilities

Candidates in all focus areas are considered, with preference given to those who compliment the expertise of the department and have multidisciplinary work experience. A successful candidate demonstrates excellence associated with an ability and desire to teach a variety of undergraduate mechanical engineering courses with associated laboratory sections and support departmental growth, particularly in the areas of mechanical engineering, SmallSat and CubeSat satellite initiatives, internationally collaborative engineering research and missions projects.

Service to the community and the profession, scholarship, and undergraduate mentorship with advising is also expected. Previous experience integrating faith and learning is a plus.

APPLY NOW

Interested candidates should complete the following and send them via email to academics@taylor.edu with the position title Mechanical Engineering as the subject line.

- Faculty Application: <https://jobs.taylor.edu/docs/FacultyApplication.pdf>
- Cover Letter
- Curriculum Vita
- Personal Statements (referenced in faculty application)

Material should be addressed to Dr. Danielle Nobles-Lookingbill, Physics and Engineering Department Chair and Dr. Matt Renfrow, Interim Dean of Natural and Applied Sciences. Likely candidates will be sent an appointment questionnaire and ADDITIONAL MATERIALS for completion and return. All materials will remain confidential. Women and members of minority groups are encouraged to apply. Evaluation of applications will begin immediately and continue until the position is filled.



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