

Department of Engineering Technologies

Outstanding/Substantial Scholarship: Criteria, Evidence, and Assessment

Outstanding or substantial scholarship may be demonstrated through the sources of evidence listed in the tables below. Similar sources of information not listed here may also be used if appropriate. Candidates need not include all of the listed pieces of evidence in their applications.

- *To demonstrate substantial scholarship, promotion candidates must meet criteria 1 – 2.*
- *To demonstrate outstanding scholarship, promotion candidates must meet criteria 1 – 4.*
- *A minimum of two documented sources are required to meet criteria 1 – 2.*
- *The scholarship presented in the candidate’s promotion folder should advance the mission or goals of the university, college, department or profession.*
- *Reference Department of Engineering Technologies By-Laws, Appendix A: Definition of Scholarship.*

While both the quantity and quality of the candidate's contributions in scholarship are important, in the determination of what constitutes “outstanding” or “substantial” scholarship—the quality of the contribution may be viewed as having greater importance.

University Mission Statement

Shawnee State University – the regional state university of Southern Ohio -prepares students for the changing needs of business, industry, education, and society through its diversified degree programs. Recognizing the importance of knowledge, values, and cultural enrichment, Shawnee State University is committed to providing higher education that fosters competence in oral and written communication, scientific and quantitative reasoning, and critical analysis/logical thinking. To enrich the lives of the community, the University provides opportunities for continuing personal and professional development, intellectual discovery, applied research and appreciation for the creative and performing arts.

College of Professional Studies Mission Statement (Proposed)

The College of Professional Studies is committed to the preparation of professionally and technologically competent, life-long learners through scholarly activities, critical thinking and evidence-based practice while serving culturally diverse communities.

Engineering Technologies Mission Statement

The mission of the Shawnee State University Department of Engineering Technologies is to prepare graduates to excel in technology based industries by constantly improving and developing relevant programs/curricula and by enhancing theoretical instruction through extensive laboratory experiences.

Engineering Technologies Educational Goals

The Department of Engineering Technologies offers degree programs that are career-oriented, technical instruction grounded in a strong base of mathematics, natural science, and the liberal arts, all of which are integrated with technical courses of the department’s degree programs to provide our graduates with strong technical, analytical, and problem solving skills in a broad spectrum of technical areas. Engineering Technology programs are instructed in building-block fashion where the student, in his or her first term as a freshman, begins the study of Engineering Technology in his or her chosen field. Engineering Technology course work includes laboratory studies to provide the student with practical experience and competencies required by the technical fields in which he or she will seek employment. Program graduates have exceptional employment opportunities and career paths, and are also accepted into, and are extremely successful in, post-graduate programs in engineering, materials science, systems engineering, and computer science. To this end, the department:

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- Develops curricula that create an understanding of the practical and scientific bases of selected engineering technologies and modifies curricula and teaching methods in response to technological advancement and change.
- Encourages the development of sound work ethics and a spirit of cooperation and excellence.
- Provides cooperative educational services.
- Seeks and encourages participation from the business and industrial community.
- Promotes occupational and educational opportunities for all graduates.

Adopted by the Department of Engineering Technologies by faculty vote meeting March 27th, 2014.

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To demonstrate substantial service, promotion candidates must meet criteria 1 – 4.

Criteria	Source(s) of Evidence.	Assessment
<p>1. Productivity: Research and/or scholarship has produced at least a minimum two (2) verifiable scholarly artifacts over the course of the review period.</p>	<p>Productivity may be demonstrated through the sources of evidence listed below. Similar sources of information not listed here may also be used if appropriate. It is not intended that each candidate for promotion include each of the listed pieces of evidence.</p> <ol style="list-style-type: none"> 1) Giving scholarly presentations to academic organizations. 2) Giving scholarly presentations to the campus community. 3) Journal articles, including review of journal articles. 4) Academic book chapters, including review. 5) Textbooks, including review of textbooks. 6) Scholarly books, including review of scholarly books. 7) Posters at state, regional, national or international conferences 8) Presentations at state, regional, national or international conferences 9) Panel participation at state, regional, national or international conferences 10) Statements from Principal Investigators attesting to the candidate’s contributions and activities within a research team. 11) Achieving or maintaining professional certification as a registered architect or licensed professional engineer. Certification can be initially achieved during the review period and must be maintained throughout the review period. 12) Achieving an advanced degree or degree in additional field beyond what is required by the university to maintain employment. 13) Awards, honors and other recognition of contributions resulting from the candidate’s research or scholarship. 14) Holding offices or positions in professional academic organizations or on scholarly editorial boards. 15) Inter- and multi-disciplinary work where the candidate for promotion demonstrates his or her independent, identifiable, and significant contribution to the research team. <p>While documentation and dissemination of scholarly endeavors in the engineering technology field may include traditional mechanisms and the like as listed above, it may also include a variety of other forms that are utilized in a confidential commercial environment. In such cases scholarly work that is completely valid and valuable to our department mission, cannot be disseminated through traditional routes. Hence the</p>	<p>Met</p> <p>Not Met</p>

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	<p>department establishes a procedure for validation or confidential engineering and scholarship endeavors. This procedure calls for the faculty performing the scholarly activity to prepare a summary memo, which is to be approved by the client, outlining the scholarship project. The memo shall be validated by the faculty's promotion and tenure committee or department chair. The validated memo is acceptable documentation for the purposes of promotion and tenure, and shall be included in the faculty's promotion and tenure portfolio.</p>	
<p>2. Currency: The scholarly artifacts are based on a line of inquiry and/or research conducted at Shawnee State University within the 5 years prior to the application for promotion. Note that this may reflect multiple discrete, short-term lines of research and/or inquiry.</p>	<p>Currency may be demonstrated through the sources of evidence listed under productivity as having been done no more than 5 years prior to the application for promotion. This may reflect multiple discrete, short-term lines of research and/or inquiry.</p>	<p style="text-align: center;">Met Not Met</p>
<p>3. Sustained activity: Research and/or scholarship is sustained and ongoing throughout the review period (or within the past 5 years).</p>	<p>1. Sustained activity may be demonstrated through the sources of evidence listed under productivity as having been done consistently and sustainably within the 5-years prior to the application for promotion.</p>	<p style="text-align: center;">Met Not Met</p>
<p>4. Significance: Research and/or scholarship is independent and of significant scholarly value as defined by peers within the candidate's discipline</p>	<p>Engineering Technology can be distinguished from other academic fields by its applied nature, the importance of design, and the validation via commercial application. It is defined by the Accreditation Board for Engineering and Technology (ABET) as "the technological field that requires the <i>application of scientific and engineering knowledge and methods</i> combined with <i>technical skills</i> in support of engineering activities." Because of the importance of commercial application in the field of engineering technology, the department has adopted a definition of scholarship that includes these aspects. The four basic types of scholarly endeavors valued by the Department of Engineering Technologies are described below. These basic types have been developed to encourage scholarship in all its diverse forms and to provide guidance in making promotion/tenure-based decisions.</p> <p>1) <u>Applied Research</u>- Includes activities that related knowledge in academic disciplines to communities outside academia. 2) <u>Research of Teaching and Learning</u>- Includes activities that are directly related to improving pedagogical practices. This type of scholarship is oriented to discovery, evaluation, and communication of information about the teaching and learning process.</p>	<p style="text-align: center;">Met Not Met</p>

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	<p>3) <u>Discovery Research</u>- Includes all activities that extend knowledge through discovery or collection of new information. The scholarship of discovery includes but is not limited to the typical label of basic or original research.</p> <p>4) <u>Integrative Research</u>- Includes activities that are primarily interdisciplinary and interpretive, seeking better understanding of existing knowledge through integration across disciplines and original synthesis to bring new meanings and insights.</p>	
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