

# Master of Engineering in Project Management

Project management is profoundly impacting the engineering field by ensuring that complex projects are executed efficiently, on schedule, and within budget. Project management is crucial in engineering and other fields, driven by globalization, the internet, and the rapid advancement of work processes. Engineering projects must be implemented faster and more efficiently than ever before, requiring technically oriented and highly skilled project managers. The Master of Engineering (M.E.) in Project Management degree addresses workforce needs by providing individuals from multiple engineering disciplines with the skills, confidence, and competence to manage a variety of projects, bridging the fields of engineering, technology, people, and business.

This degree emphasizes the practical application of project management skills in engineering contexts and is designed to prepare students for professional roles by providing hands-on experience and technical skills directly applicable to the industry.

The Project Management (PMGT) fundamental courses will strengthen individual's knowledge and ability to apply the theories and concepts of project management in the real world. Electives will be offered on a rotational basis and will remain current with project management trends, demands, and the interests of our students.

This program can be completed 100% online. Select courses are also offered in person at the Edwards Campus in Overland Park, KS.

Faculty biographical information and other program information may be viewed on the program's website <https://sps.ku.edu/programs/project-management> (<https://sps.ku.edu/programs/project-management/>) or call 785-864-0163 to speak with an academic advisor.

## Graduate Admission Requirements

An applicant seeking to pursue graduate study may be admitted as either a degree-seeking or non-degree seeking student. Policies and procedures of Graduate Studies govern the process of Graduate admission. These may be found in the Graduate Studies (<https://catalog.ku.edu/graduate-studies/>) section of the online catalog. For more information on admission to a graduate program at KU, see the policy on Admission to Graduate Study (<http://policy.ku.edu/graduate-studies/admission-to-graduate-study/>).

International students may have enrollment specifications (i.e., full-time status, in-person courses) to meet their visa status requirements. Students needing the majority of their courses in-person are strongly advised to apply for admission to start in the Fall semester to maximize course availability.

Applications may be submitted at <http://graduate.ku.edu/ku-graduate-application> (<http://graduate.ku.edu/ku-graduate-application/>).

## The following materials must be included to submit a complete application for admission:

- Official transcript from the institution where the bachelor's degree (or equivalent) was earned
- Resume
- Statement of Purpose

For admission to KU's Master of Engineering in Project Management, applicants must have:

- An undergraduate degree in engineering or related science from an accredited institution.
- A 2.5 or higher undergraduate grade point average (on a 4.0 scale). Applicants may be admitted with a grade point average between 2.0-2.5 upon program review of their overall credentials.
- Two years full-time, post-undergraduate work experience in a technological environment.

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Code	Title	Hours
<b>Required Courses</b>		
PMGT 816	Project Management Fundamentals I	3
PMGT 817	Project Management Fundamentals II	3
PMGT 818	Project Management Fundamentals III	3
PMGT 819	Project Management Fundamentals IV	3
PFS 801	Interpersonal and Persuasive Communication Skills for Managers	3
PFS 802	Managing Teams and Leading People	3
PFS 803	Financial Management for Professional Success	3
EMGT 750	Engineering Management	3
<b>Research &amp; Practica</b>		
PMGT 830	Case Studies in Project Management	3
<b>PMGT Electives</b>		<b>6</b>
Choose from the following available PMGT elective courses or other PMGT department-approved courses:		
PMGT 808	Lean Six Sigma	
PMGT 811	Project Contracts and Procurement	
PMGT 820	Management of New Product Development Projects	
PMGT 821	Management of Consulting Projects	
PMGT 823	Risk Management for Project Managers	
PMGT 824	Project Cost Estimation, Analysis, and Control	
PMGT 825	Portfolio Analysis and Program Management	
PMGT 827	Project Team Management and Development	
PMGT 828	Management of Global Projects	
PMGT 829	Management of Distributed Project Teams	
PMGT 840	Developing as a Project Leader	
PMGT 842	Project Management in an Agile Environment	
<b>Total Hours</b>		<b>33</b>

Please note that electives may be taken outside of PMGT with the pre-approval of advisors for the Master of Engineering degree program.

At the completion of this program, students will be able to:

- Manage complex projects, programs, and portfolios utilizing current best practices in the industry.
- Solve complex problems utilizing current and emerging project management methodologies, tools, and techniques through the entire project lifecycle.
- Synthesize concepts, engage teams, conduct financial analysis, and propose pathways through complex business situations.

- Synthesize knowledge from different fields and cultures to create inclusive project management procedures and processes aligned with ethical and professional practices.
- Construct innovative solutions that create strategic alignment and provide value to the project organization and the communities served.
- Evaluate risks on a project, analyze the likelihood that each might occur, and recommend a mitigation plan for prioritized risks.