CASE WESTERN RESERVE UNIVERSITY

Prerequisites Checklist

Master of Engineering

OVERVIEW

Applicants with a BS in natural, physical or mathematical sciences may be required to take prerequisite courses to ensure they have the foundation in math and science necessary to succeed in the program. Course credit earned by Advanced Placement, International Baccalaureate, proficiency examinations and transferring may be used to satisfy these requirements. Transfer credits must be from a regionally accredited college or university.

Each application will be reviewed in full and any prerequisite courses will be identified. Provisional acceptance may be offered to allow students to earn prerequisite credits concurrently with engineering coursework.

HOW TO USE THIS FORM

Please complete the required worksheet to indicate the prerequisite coursework that you have taken, grade achieved and institution attended. Column A describes the prerequisite courses required. Applicants should complete Column B with the information indicated. The Admissions Committee will review transcripts and indicate agreement in Column C.

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Applicant Name: _____ **Date:** _____

A	B	C
Prerequisite Courses	Applicant Prerequisite Course Code, Title, Institution and Grade	Admissions Committee Reviewer Notes
Math		
Calculus I or Calculus for Science and Engineering I (4 credits)		
Calculus II or Calculus for Science and Engineering II (4 credits)		
Calculus III or Calculus for Science and Engineering III (3 credits)		
Differential Equations or Elementary Differential Equations (3 credits)		
Physics		
General Physics I or Physics and Frontiers I (4 credits)		
General Physics II or Physics and Frontiers II (4 credits)		
Chemistry		
Principles of Chemistry for Engineers (4 credits)		
Programming		
Elementary Computer Programming or Intro. to Programming in Java (3 credits)		

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Additional Prerequisite coursework:

Biomedical Engineering (EBME) Technical Elective Sequence

A	B	C
Prerequisite Courses	Applicant Prerequisite Course Code, Title, Institution and Grade	Admissions Committee Reviewer Notes
Physics to include the study of electromagnetics		
Chemistry II (3 credits)		

Systems & Control Engineering (SCS) Technical Elective Sequence

A	B	C
Prerequisite Courses	Applicant Prerequisite Course Code, Title, Institution and Grade	Admissions Committee Reviewer Notes
Linear Algebra (3 credits)		

Contact Admissions: 216.672.4614 online-engineering.case.edu/online-degrees/master-of-engineering