

ASSOCIATE IN SCIENCE MECHANICAL ENGINEERING

Transfer Pathway

AS with MTA (Program Code 312)

A student's placement on this program map is contingent upon meeting prerequisite or other academic requirements.

This pathway map reflects a sequence of courses based on a MITransfer Organization State-Wide articulation agreement. For more information visit: mitransfer.org.

YEAR 1

SEMESTER 1	CREDITS
FYS 101: First Year Seminar	1 cr.
MTA Comm & GE EC Core - ENGL 151: Math for Liberal Arts or ENGL 151H: Freshman Composition-Honors	3 cr.
MTA Natural Science (w/lab) - CHEM 110: General Chemistry 1.....	4 cr.
MATH 141: Calculus 1	5 cr.

SEMESTER TOTAL MINIMUM CREDITS: 13

SEMESTER 2

MATH 142: Calculus 2	5 cr.
MTA Comm & GE EC Core or Applied (Choose one): COMM 110: Intro to Communication Studies or COMM 111: Business to Communication Studies or COMM 207: Public Speaking or ENGL 152: Freshman Composition or ENGL 152H: Freshman Composition-Honors	3 cr.
Coursework based on Individual Academic Goals*	3 cr.
MTA Humanities & GE PCE Core (Choose from LIST A)	3 cr.

SEMESTER TOTAL MINIMUM CREDITS: 17

YEAR 2

SEMESTER 3

MATH 241: Calculus 3	4 cr.
MTA Humanities (Choose from LIST C).....	3 cr.
MTA Science & GE CT Core or Applied- PHYS 221: Physics for Scientists and Engineers 1	5 cr.
MTA Social Sciences & GE PCE - (Choose one from LIST D) See note***	3 cr.

SEMESTER TOTAL MINIMUM CREDITS: 15

SEMESTER 4

MTA Mathematics & GE CORE MATH 242: Differential Equations and Linear Algebra	4 cr.
ENGR 256: Statics.....	3 cr.
MTA Social Science (Choose one from LIST E) (must be different discipline than LIST D)	3 cr.
PHYS 222: Physics for Scientists and Engineers 2	5 cr.

SEMESTER TOTAL MINIMUM CREDITS: 15

SEMESTER 5 (summer)

ENGR 258: Dynamics**	4 cr.
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SEMESTER TOTAL MINIMUM CREDITS: 4

Finished! Total credits: 61

This map represents a recommended sequence.

IMPORTANT NOTES:

Students should seek an appointment with an Academic Advisor to determine courses which best meet individual academic goals and to discuss transfer options including verification of courses towards the completion of the Michigan Transfer Agreement (MTA). Students must complete a minimum of 60 credits in approved courses to earn a degree at Kellogg Community College with a minimum cumulative grade point average of 2.0 or higher. Contact Academic Advising at kellogg.edu/advising or call **269-965-4124**.

Service-learning endorsement is required! Additional required degree criteria is listed in KCC's Academic Catalog under degree and certificate requirements.

Academic Department Contact Information:

Contact the Math and Science Department for more information at **269-660-2337**.

ELECTIVES LIST

LIST A: (MTA Humanities & GE PCE CORE - select one course):

ART 210, ART 211, ART 212, ART 213, ART 214, HUMA 151, LITE 105, MUSI 211, PHIL 202, SERV 200, THEA 121

LIST B: (MTA Math & GE CT Core): MATH 115, MATH 125, MATH 130 (or higher level from MTA list)

LIST C: (MTA Humanities & GE PCE Core or Applied - select one course - must be a different discipline than list A): ART 210, ART 211, ART 212, ART 213, ART 214, FREN 101, FREN 102, FREN 201, FREN 202, HUMA 151, LITE 105, LITE 205, LITE 206, LITE 211, LITE 212, LITE 213, LITE 223, LITE 230, LITE 285, MUSI 130, MUSI 141, MUSI 211, MUSI 240, MUSI 250, PHIL 230, PHIL 240, SERV 200, SPAN 101, SPAN 102, SPAN 201, SPAN 202, THEA 121

LIST D: (MTA Social Science & GE PCE): HIST 103, HIST 103H, HIST 104, HIST 104H, HIST 151, HIST 151H, HIST 152, HIST 152H, HIST 201, HIST 202, PHIL 202, POSC 201, POSC 201H, POSC 211, PSYC 290, SOCI 201, SOCI 201H

LIST E: (MTA Social Science): ANTH 200, ECON 201, ECON 202, HIST 103, HIST 103H, HIST 104, HIST 104H, HIST 151, HIST 151H, HIST 152, HIST 152H, HIST 201, HIST 202, HIST 211, HIST 212, HIST 240, HIST 250, HIST 260, PHIL 201, PHIL 201H, PHIL 202, POSC 201, POSC 201H, POSC 202, POSC 210, POSC 211, PSYC 201, PSYC 201H, PSYC 220, PSYC 250, PSYC 290, SOCI 201, SOCI 201H, SOCI 202, SOCI 205, SOCI 206

* Students should work with an academic advisor to determine the best elective courses based on individual academic and transfer goals.

** The availability of ENGR 258 varies depending upon need. It is typically offered in summer sessions. Please contact the Math and Science Department for more information

*** Engineering students are advised to contact the Math and Science Department to discuss the availability of ENGR 258 during semester 3.

Information contained in the mapping document is to the best knowledge of Kellogg Community College staff, considered correct when published. This mapping document should not be considered a contract between Kellogg Community College and any student.