Questrom students interested in applying for an Engineering Science Minor from the College of Engineering must complete this form and submit it to the Questrom School of Business Undergraduate Program Office, Suite 102.

Name: ________________________  BU ID: ________________________
Phone #: ________________________  E-Mail: ________________________

Please indicate your Engineering Science minor track:
☐ Mechanical Engineering
☐ Electrical and Computer Engineering
☐ Biomedical Engineering

Student’s Signature: ________________________  Date: ________________
ENG Advisor’s Signature: ________________________  Date: ________________

Prerequisites: (12 Credits)
CAS MA 123 Calculus I 4 cr.
CAS MA 124 Calculus II 4 cr.
CAS PY 211 Physics I 4 cr.

Required Courses:
CAS MA 226 Differential Equations 4 cr. (Prereq CAS MA 225)
ENG EK 127 Engineering Computation with C++ 4 cr.

Introduction Courses:
Choose 4 credits from the following list:
ENG EK 130 Introduction to Engineering 4 cr.
ENG EK 131 Introduction to Engineering 2 cr.
ENG EK 132 Introduction to Engineering 2 cr.
ENG EK 156 Design and Manufacture 2 cr.
ENG ME 201 Introduction to Aircraft Performance 2 cr.
ENG ME 202 Introduction to Spacecraft Performance 2 cr.

Either Track A or Track B or Track C 12 credits
Please circle courses taken from the following categories

Track A sequence (12 credits) — Mechanical
ENG EK 301 Engineering Mechanics 4 cr. (Pre-req: CAS PY 211 & ENG EK 127)

and two of the following 4-credit courses:
ENG ME 302 Engineering Mechanics II 4 cr. (Pre-req: ENG EK 301)
ENG ME 303 Fluid Mechanics I 4 cr. (Pre-req: ENG EK 301)
ENG ME 304 Thermodynamics 4 cr. (Pre-req: CAS PY 211)
ENG ME 305 Mechanics of Materials 4 cr. (Pre-req: ENG EK 301)
ENG ME 306 Material Science 4 cr. (Pre-req: CAS PY 212)
ENG ME 419 Heat Transfer 4 cr. (Pre-req: ENG ME 303 & ME 304)
Minor in Engineering Science

Track B sequence (12 credits) — Electrical and Computer

ENG EK 307 Electric Circuit Theory  4 cr  (Co-req: CAS MA 226 & PY 212)
and any 3 4-credit EC courses at the 300-level or above

**Track B2 — choose one of the following 4 credit courses:**

- ENG EC 312 Small Computer Systems  4 cr.  (Prereq ENG EC 311)
- ENG EC 402 Control Systems  4 cr.  (Prereq ENG EC 401)
- ENG BE 402 Control Systems in Biomedical Engineering  4 cr.  (Prereq ENG BE 401)
- ENG EC 412 Analog Electronics  4 cr.  (Prereq ENG EC 410)
- ENG EC 415 Communication Systems  4 cr.  (Prereq ENG EC 401)
- ENG EC 416 Introduction to Digital Signal Processing  4 cr.  (Prereq ENG EC 401)

Track C sequence (12 credits) — Biomedical

ENG BE 209 Princ. Molecular Cell Biology & Biotech.  4 cr  (Pre-req: CAS PY 212, CAS CH 102 or CH 131, ENG EK 127, ENG BE 200)

**Option I:**

ENG EK 307 Electric Circuit Theory  4 cr  (Co-req: CAS MA 226 & PY 212)

and one of the following 4-credit courses

- ENG BE 401 Signals and Systems in Biomedical Engineering  4 cr  (Pre-req: CAS MA 226 & ENG EK 307)
- ENG EC 424 Thermodynamics & Statistical Mechanics  4 cr  (Pre-req: CAS PY 212 & MA 225 & CH 102)

**Option II:**

ENG EK 301 Engineering Mechanics I  4 cr  (Pre-req: CAS MA 211 & ENG EK 127)

and one of the following 4-credit courses

- ENG BE 436 Fundamentals of Fluid Mechanics  4 cr  (Pre-req: CAS MA 226 & ENG EK 301)
- ENG BE 420 Introduction to Solid Biomechanics  4 cr  (Pre-req: CAS MA 226 & ENG EK 301)
- ENG EK 424 Thermodynamics & Statistical Mechanics  4 cr  (Pre-req: CAS PY 212 & MA 225 & CH 102)