TRANSPORTATION AND LOGISTICS MINOR

Students are required to complete 7 courses, of which 1 is a required course. The other 6 courses must include at least 3 core courses. At least 2 of the 6 must be outside the school in which the student is majoring.

Students in the McCormick School may double-count a maximum of 2 courses from their major program toward the minor. Students from other schools are not allowed to double-count courses that are part of their major but may count courses that fulfill related course, distribution, foundation, or social science and humanities requirements.

Prerequisites
In preparation for pursuing the minor, students should take courses in calculus and in probability and statistics.

Minor Requirements (7 units)
• TRANS 310-0 Seminar in Transportation and Logistics (For WCAS students entering after Spring 2023, this class fulfills the WCAS Advanced Expression requirement.)
• 3 or more core courses
  • Chosen from the following:
    Course | Title
    CIV_ENV 304-0 | Civil and Environmental Engineering Systems Analysis
    CIV_ENV 371-0 | Introduction to Transportation Planning and Analysis
    CIV_ENV 376-0 | Transportation System Operations
    CIV_ENV 377-0 | Choice Modelling in Engineering
    ECON 310-1 | Microeconomics
    ECON 355-0 | Transportation Economics and Public Policy
    IEMS 310-0 | Operations Research
    or IEMS 313-0 | Foundations of Optimization
    IEMS 381-0 | Supply Chain Modeling and Analysis
    IEMS 383-0 | Service Engineering and Management
  • 2 must be outside the student’s major program.
  • No substitutions are allowed.
• 3 additional courses selected from core courses or approved electives:
  • Approved electives include the following:
    Course | Title
    CIV_ENV 205-0 | Economics and Finance for Engineers
    or BUS_INST 304-0 | Corporate Finance
    or ECON 360-1 | Foundations of Corporate Finance Theory
    or KELLG_FE 310-0 | Principles of Finance
    CIV_ENV 330-0 | Engineering Project Management
    CIV_ENV 368-0 | Sustainability: The City
    CIV_ENV 387-0 | Design of Sustainable Urban Developments
    ECON 309-0 | Public Finance
    ECON 337-0 | Economics of State and Local Governments
    ECON 349-0 | Industrial Economics
    ECON 350-0 | Monopoly Competition & Public Policy
    ECON 354-0 | Issues in Urban and Regional Economics
    ECON 361-0 | International Trade
    ECON 371-0 | Economics of Energy
  • At least 2 of the core or elective courses must be outside the school in which the student is registered.
  • Students in the McCormick School may double-count a maximum of 2 courses from their major program toward the minor.
  • Students from other schools are not allowed to double-count courses that are part of their major but may count courses that fulfill related course, distribution, or social science and humanities requirements.
  • 4XX level courses require consent of the instructor and the Director of the Transportation and Logistics Program.

TRANS 310-0 Seminar in Transportation and Logistics (1 Unit) Yearlong senior seminar on the structure of the transportation and supply-chain industries and evaluation of relevant public policy. Students receive 1 credit in the spring quarter of their senior year. Advanced Expression

TRANS 399-0 Independent Study (1 Unit) Advanced work chosen by mutual agreement with a faculty member. Only 1 unit may count toward the minor. Consent of faculty required.