

Supply Chain Engineering (Minor)

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

The Supply Chain Engineering Minor allows students to develop skills associated with the networks and processes that move materials and supplies into production facilities, transforms them into finished goods and then distributes products to customer markets. This minor takes a multi-disciplinary approach to solving problems associated with logistics, operations, network design, systems and services optimization, planning/scheduling and alternatives analysis. Completion of this minor will prepare undergraduate students for the global marketplace by providing a strong foundation and integrated framework from which to navigate decisions, influence production planning, and impact time to market.

To be admitted to the program, a student must have a GPA of at least 2.0. Application for admission to any University minor program is now available via MyPack Portal. Admission will be based upon the student's academic record, and in most cases no longer requires departmental review. Go to Add a Minor (<https://studentservices.ncsu.edu/your-degree/coda-home/add-a-minor/>) to apply.

Administration of the Minor

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Plan Requirements

- The program administrator will oversee admission to and certify completion of the minor program.
- Admission to the minor requires a minimum 3.25 GPA and completion of a short application form.
- Students shall then complete the minor form and create a plan of work detailing the courses to be taken in order to satisfy the requirements by semester.
- Students accepted to the program will be required to meet with program administrator or designee during the registration period for each semester to ensure satisfactory process toward the minor.
- Students are NOT allowed to double count any required course in *Group A* toward both departmental major and minor requirements.
- All courses must be completed at NC State University.
- All minor courses must be completed with a grade of C- or higher.
- All minor courses must be taken for a letter grade.
- The Program administrator will verify that all requirements have been met and certify the minor prior to graduation. The minor must be completed no later than the semester in which the students expects to graduate from their degree program. Paperwork for the certification

should be completed no later than the end of the registration period for the student's final semester at NC State University.

Code	Title	Hours	Counts towards
Required Course		3	
ISE 411	Supply Chain Economics and Decision Making		
Group A Electives		6-9	
ISE 361	Deterministic Models in Industrial Engineering		
ISE 413	Humanitarian Logistics		
ISE 433	Service Systems Engineering		
ISE 453	Modeling and Analysis of Supply Chains		
ISE 553	Modeling and Analysis of Supply Chains		
Group B Electives		3-6	
BUS 472	Operations Planning and Control Systems		
BUS 474	Logistics Management		
BUS 475	Purchasing and Supply Management		
BUS 479	Supply Chain Management Undergraduate Practicum		
Total Hours		12-18	