

Industrial Distribution

Bachelor of Science (BS)

Industrial Distribution

Industrial distribution professionals help manage the global supply chain and coordinate transportation systems. They focus primarily on the distribution of products produced or used by manufacturers, construction companies and municipalities. The objective is to optimize systems for maximum efficiency, minimum cost, quality improvement, safety and other interests to the stakeholders. The goals are to save time, money, materials, energy and other resources for the companies, industries and essentially for our society. The skills in this program can be applied in a range of organizations and more and more organizations have recognized their significance.

The program has significant components in both industrial technology/engineering and in business. The industrial classes help students understand production and efficiency in an industrial setting. In addition, students can focus in on several specific areas, such as construction, manufacturing and facilities. On the business side, students will be exposed to management, marketing and business analytics. This interdisciplinary approach provides a good background for management or analysis of distribution systems. In addition, this background is also favorable for positions in technical sales. Graduates will understand the fundamental concepts required to be a professional in the field, including concepts in technology, business and industrial systems. While obtaining specialized knowledge in industrial management and business analytics that can be applied to industrial and other complex systems.

Becoming Career Ready...

/ Faculty with relevant industry experience work closely with students by providing them with career-ready practical experience and a technology-based curriculum in the state-of-the-art Otto & Della Seabaugh Polytechnic building.

/ Industrial Distribution graduates work with organizations in both the public and private sector, including manufacturers in the aerospace, chemicals, automotive and retail sectors. Examples of job titles include sales manager, purchasing agent, logistician, distribution manager, supplier and technical sales.

/ 100% of Southeast programs offer real-world experience. Industrial Distribution students earn this experience through a senior design capstone course for students to work in teams to solve open-ended industrial projects. Students also gain valuable hands-on experience through required labs that accompany the courses work.

/ The path to a successful career starts with you! You can maximize your career development by working closely with Career Services and Southeast faculty – they are here to help you connect your passions, interests and skills to jobs and opportunities in the field. Career Services provides professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities and more.

Career Opportunities:

- Distribution Manager
- Inventory Manager
- Logistics Analyst
- Logistics Manager
- Supply Chain Director
- Technical Sales
- Transportation Supervisor
- Warehouse Manager

Transfer and Dual Credit Students

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at semo.edu/transfercredit.



To learn more
 Office of Admissions
 (573) 651-2590
admissions@semo.edu
semo.edu

To explore
 the College of Science, Technology,
 Engineering and Mathematics
 online, visit
semo.edu/stem

For advising
 Center for Academic Advising
semo.edu/advising

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This is a guide based on the 2020-2021 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST

Industrial Distribution – 98 Hour Major; No Minor Required

Required courses:*

- ___ AC 221 Principles of Accounting I (3)
 - ___ AC 222 Principles of Accounting II (3)
 - ___ BL 255 Business Law (3)
 - ___ BS 105 Environmental Biology (3)
 - ___ EG 492 Modeling and Simulation (3)
 - ___ IM 300 Technical Communication (3)
 - ___ IM 301 Industrial Safety and Supervision (3)
 - ___ IM 313 Facilities Planning (3)
 - ___ IM 405 Innovation for a Lean Enterprise (3)
 - ___ IM 417 Manufacturing Resource Analysis (3)
 - ___ MA 116 Precalculus A (3)
 - ___ MG 301 Principles of Management (3)
 - ___ MG 354 Business Negotiation (3)
 - ___ MK 301 Principles of Marketing (3)
 - ___ MK 342 Professional Selling (3)
 - ___ MK 346 Distribution Management (3)
 - ___ MK 347 Transportation (3)
 - ___ PH 106 Physical Concepts (3)
 - ___ QM 258 Business Statistics II (3)
 - ___ QM 352 Quantitative Analysis (3)
 - ___ QM 558 Principles of Supply Chain Management (3)
 - ___ SW 207 Understanding Cultural & Social Diversity (3)
 - ___ UI 400 Business and Ethics (3)
 - ___ UI 410 Manufacturing Research in a Global Society (3)
- Chemistry, Choose 5 hours from:
- ___ CH 181 Basic Principles of Chemistry (5)
 - ___ CH 185 General Chemistry (5)
- Statistics, Choose 3 hours from:
- ___ IM 311 Statistical Process Control (3)
 - ___ QM 257 Business Statistics I (3)
- Economics, Choose 3 hours from:
- ___ MN 220 Engineering Economic Analysis (3)
 - ___ EC 215 Principles of Microeconomics I (3)
- Program Electives, Choose 15 hours from:
- ___ CM 126 Computer Aided Drafting and Design (3)
 - ___ CM 226 Residential Architectural Drafting and Design (3)
 - ___ CM 315 Construction Contracts and Legal Issues (3)
 - ___ CM 325 Building Mechanical and Electrical Systems (3)
 - ___ ET 160 Basic Electricity & Electronics (3)
 - ___ ET 304 Fundamentals of Programmable Logic Controllers (3)
 - ___ ET 374 Industrial Electronics (3)
 - ___ EV 551 Hazardous Materials Assessment (3)
 - ___ FM 504 Facilities Management (3)
 - ___ FM 565 Building Automation and Technology (3)
 - ___ MN 120 Fundamentals of Engineering Design Processes (3)
 - ___ MN 170 Engineering Materials and Testing (3)
 - ___ MN 203 Industrial Materials and Processes I (3)

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	3	CH181/CH185	5
	EN100	3	EC215/MN220	3
	PH106	3	IM300	3
	MA116	3	IM311/QM257	3
	Program elective 1	3	General Education	3
	Total	15	Total	17
SECOND YEAR	AC221	3	AC222	3
	BL255	3	IM301	3
	QM258	3	IM417	3
	Program elective 2	3	MK301	3
	General Education	3	Program elective 3	3
	Total	15	Total	18
THIRD YEAR	BS105	3	IM405	3
	IM313	3	MG354	3
	MG301	3	MK346	3
	MK342	3	Program elective 4	3
	SW207	3	General Education	3
	Total	15	Total	15
FOURTH YEAR	MK347	3	EG492	3
	QM352	3	QM558	3
	UI400	3	UI410	3
	Program elective 5	3	General Education	3
	General Education	3	General Education	3
	Total	18	Total	15

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

*Many major courses are on a set rotation and dependent on when prerequisites are completed. The actual semester a course is taken may vary based on the rotation.

Revised
6/1/2020

To learn more
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 admissions@semo.edu
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For advising
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