



Industrial Production Managers

SOC Code 11-3051 • Projected Growth (2020) 0 %

Description

What Industrial Production Managers Do

Industrial production managers oversee the daily operations of manufacturing and related plants. They coordinate, plan, and direct the activities used to create a wide range of goods, such as cars, computer equipment, or paper products.

Duties

Industrial production managers typically do the following:

- Decide how best to use a plant's workers and equipment to meet production goals
- Ensure that production stays on schedule and within budget
- Hire, train, and evaluate workers
- Analyze production data
- Write routine production reports
- Monitor a plant's workers to ensure they meet performance and safety requirements
- Create ways to make the production process more efficient
- Determine whether new machines are needed, or whether overtime work is necessary
- Fix any production problems that may arise

Training Opportunities Linked to Those Jobs

(Degree Types and Colleges/Universities)

How to Become an Industrial Production Manager

Most employers require production managers have a bachelor's degree and 2 to 5 years of related work experience.

Education and Training

Most industrial production managers have a bachelor's degree in business administration or industrial engineering. Sometimes, production workers with many years of experience take management classes and become a production manager. At large plants, where managers have more oversight responsibilities, employers may look for managers who have a Master of Business Administration (MBA) or a graduate degree in industrial management.

Some managers begin working at a company directly after college or graduate school. They spend their first few months in training programs, becoming familiar with the production process, company policies, and safety regulations. In large companies, many also spend short periods of time working in other departments, such as purchasing or accounting, to learn more about the company.

Certification and Advancement

Some industrial production managers begin as production workers and move up through the ranks. They first advance to a first-line supervisory position before eventually being selected for management. Most get a college degree in business management or take company-sponsored classes to increase their chances of a promotion.

Production managers who join a firm immediately after graduating from college sometimes work as first-line supervisors before beginning their jobs as production managers.

Industrial production managers can earn optional certificates that show a higher level of competency in quality or management systems. The [Association for Operations Management](#) offers a Certified in Production and Inventory Management (CPIM) credential. The [American Society for Quality](#) offers credentials in quality control.

Important Qualities

Interpersonal skills. Industrial production must have excellent communication skills so they can work with managers from other departments, as well as with the company's senior-level management.

Leadership skills. To keep the production process running smoothly, industrial production managers must motivate and direct the employees they manage.

Problem-solving skills. Production managers must be able to identify problems immediately and solve them. For example, if a product has a defect, the manager determines whether it is a onetime problem or the result of the production process.

Time-management skills. To meet production deadlines, managers must carefully manage their employees' time as well as their own.

Postsecondary Education

Texas Southmost College	South Texas College	Texas State Technical College	The University of Texas at Brownsville	The University of Texas - Pan American
			BBA in Management	BBA in Management
			BS in Engineering Technology	BS in Manufacturing Engineering

Local Employers

Amfels Inc	Brownsville	Applied Petroleum Technologies	Harlingen
Brownsville Machine Shop Inc	Brownsville	Lockheed Martin Corp	Harlingen
Brownsville Sheet Metal Works	Brownsville	Valley Quick Print	Harlingen
International Machine Shop	Brownsville	Smi Valley Steel	Harlingen
Taylor Craft Aviation	Brownsville	Fed Ex	Harlingen

Career Options

(Specific Job Types)

- Production Manager
- Manufacturing Manager
- Area Plant Manager
- Production Supervisor
- Production Control Manager
- Plant Manager
- Manufacturing Coordinator

Salary Ranges

Wages for **Industrial Production Managers**

Location	Pay Period	2012				
		10%	25%	Median	75%	90%
United States	Hourly	\$26.08	\$33.19	\$42.88	\$55.92	\$72.12
	Yearly	\$54,200	\$69,000	\$89,200	\$116,300	\$150,000
Texas	Hourly	\$25.84	\$33.49	\$45.81	\$63.20	\$87.37
	Yearly	\$53,700	\$69,700	\$95,300	\$131,500	\$181,700
Brownsville-Harlingen, TX MSA	Hourly	\$24.90	\$29.46	\$35.66	\$46.02	\$61.59
	Yearly	\$51,800	\$61,300	\$74,200	\$95,700	\$128,100

Professional Associations linked to the Careers

For more information about careers in production management and certification, visit:

[Association for Operations Management \(APICS\)](#)

For more information about quality management and certification, visit:

[American Society for Quality](#)

Sources

The information provided in this document was collected from the following sources:

- Occupational Outlook Handbook (<http://www.bls.gov/ooh/>)
- O*NET OnLine (<http://www.onetonline.org/>)
- Texas CARES (<http://www.texascaresonline.com/>)
- CareerOneStop (<http://www.careeronestop.org/>)



Course Overview: Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities.

Industrial Production Managers

Career Goal (O*NET Code): (11-3051) - Industrial production managers oversee the daily operations of manufacturing and related plants. They coordinate, plan, and direct the activities used to create a wide range of goods, such as cars, computer equipment, or paper products.

Student Name: _____

Grade: _____

School: _____

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:	(Local districts may list high school credit courses here)	<p>Curricular Experiences: BEST Robotics, Inc FIRST High School Robotics Competition SkillsUSA Technology Student Association TSTC Summer Technology Camps UTB Summer Robotics Camp</p> <p>Career Learning Experiences: Apprenticeship Career Preparation Internship Job Shadowing</p> <p>Extracurricular Experiences: National Engineering Design Competition School Newspaper Student Government UIL Academic Competitions Yearbook</p> <p>Service Learning Experiences: Campus Service Organizations Community Service Volunteer Habitat for Humanity Peer Mentoring / Peer Tutoring</p>	
High School	9th	Core Courses:	English I Algebra I or Geometry Biology		World Geography Languages other than English I Physical Education
		Career-Related Electives:	Principles of Manufacturing		
	10th	Core Courses:	English II Geometry or Algebra II Chemistry		World History Languages other than English II
		Career-Related Electives:	Precision Metal Manufacturing or Welding		
	11th	Core Courses:	English III Algebra II or Pre-Calculus Physics/Principles of Technology I		United States History Professional Communications Languages other than English III
		Career-Related Electives:	Advanced Precision Metal Manufacturing or Advanced Welding		
	12th	Core Courses:	English IV Precalculus/Engineering Mathematics/Calculus Engineering Design and Problem Solving	Government/Economics Fine Arts	
		Career-Related Electives:	Practicum in Manufacturing or Problems and Solutions or Career Preparation I		

COLLEGE CREDIT OPPORTUNITIES -- High School

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated credit courses, if possible. List those courses that count for college credit on your campus.

How to Become an Industrial Production Manager
 Most employers require production managers to have a bachelor's degree and 2 to 5 years of related work experience.

Career Options:

Professional Associations:
[Association for Operations Management \(APICS\)](#)
[American Society for Quality](#)

Postsecondary	Texas Southmost College South Texas College Texas State Technical College		
	University of Texas at Brownsville		University of Texas - Pan American
	Management (BBA) Engineering Technology (BS)	Management (BBA) Manufacturing Engineering (BS)	

- Production Manager
- Manufacturing Manager
- Area Plant Manager
- Manufacturing Coordinator
- Production Supervisor
- Production Control Manager
- Plant Manager

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2012. All plans meet high school graduation requirements as well as college entrance requirements.