



## WAGE DATA

Rate Type / Statistical Type	Entry level	Mean	Experienced
Annual wage or salary	\$78,756	\$119,580	\$139,992
Hourly wage	\$37.86	\$57.49	\$67.30

## JOB DESCRIPTION

Industrial Production Managers - Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.

## DUTIES

- Review processing schedules or production orders to make decisions concerning inventory requirements, staffing requirements, work procedures, or duty assignments considering budgetary limitations and time.
- Direct or coordinate production, processing, distribution, or marketing activities of industrial organizations.
- Develop or implement production tracking or quality control systems, analyzing production, quality control, maintenance, or other operational reports, to detect production problems.
- Review operations and confer with technical or administrative staff to resolve production or processing problems.
- Hire, train, evaluate, or discharge staff or resolve personnel grievances.
- Prepare and maintain production reports or personnel records.
- Set and monitor product standards, examining samples of raw products or directing testing during processing to ensure finished products are of prescribed quality.
- Develop budgets or approve expenditures for supplies, materials, or human resources ensuring that materials, labor, or equipment are used efficiently to meet production targets.
- Initiate or coordinate inventory or cost control programs.
- Coordinate or recommend procedures for facility or equipment maintenance or modification, including the replacement of machines.

## TOOLS and TECHNOLOGY

Tools used in this occupation:

**Calipers** — Vernier calipers

**Scanners**

**Tape measures & Taper gauges**

Technology used in this occupation:

**Database user interface and query software** — Database software, Exact Software JobBOSS, Scadex Technologies MAESTRO

**Facilities management software** — ABB Optimize software, Plant management software

**Human resources software** — Clockware software, Computer integrated manufacturing CIM time manager software, Employee performance management software

**Industrial control software** — Citect IIM, Marel production system MPS software, Statistical process control software, Wonderware DT Analyst Plant Productivity Improvement Software

**Word processing software** — CorVu software, Microsoft Word

## KNOWLEDGE

**Production and Processing** — Knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods.

**Administration and Management** — Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.

**Customer and Personal Service** — Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

**Personnel and Human Resources** — Knowledge of principles and procedures for personnel recruitment, selection, training, compensation and benefits, labor relations and negotiation, and personnel information systems.

**Mathematics** — Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.

**Engineering and Technology** — Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production.

**Mechanical** — Knowledge of machines and tools including their designs, uses, repair, and maintenance.

**Computers and Electronics** — Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software including applications and programming.

## SKILLS

**Critical Thinking** — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.

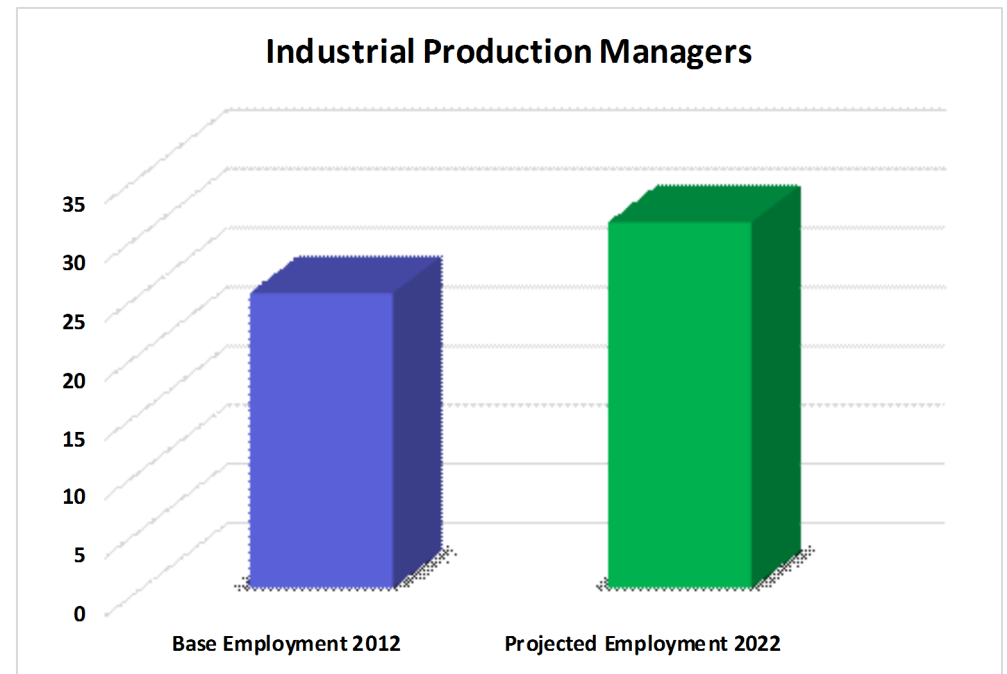
**Monitoring** — Monitoring/assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.

**Speaking** — Talking to others to convey information effectively.

**Coordination** — Adjusting actions in relation to others' actions.

**Time Management** — Managing one's own time and the time of others.

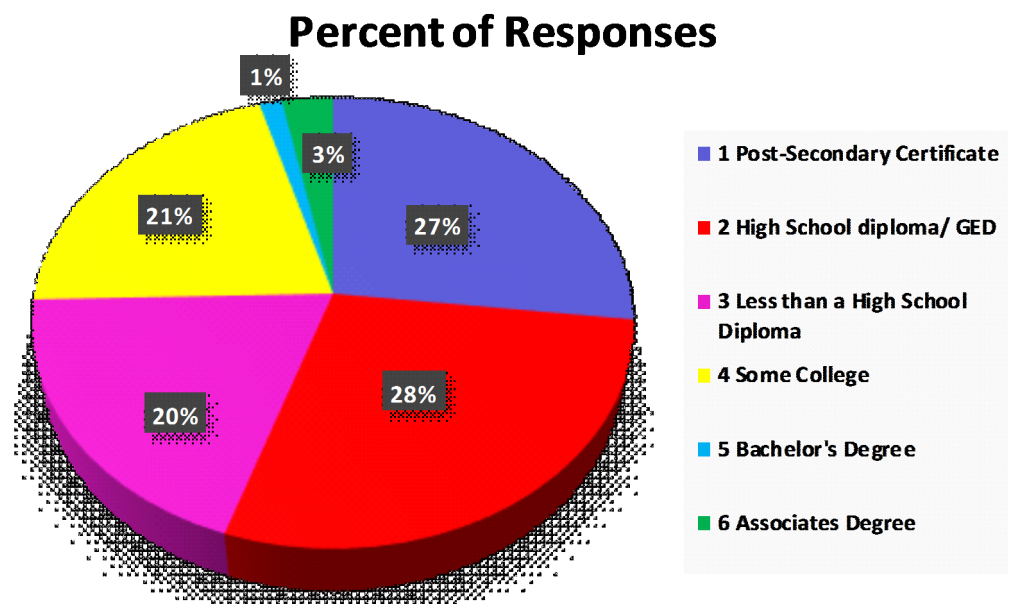
## EMPLOYMENT PROJECTION



This information is based on LMI Gateway Data

## EDUCATION

The graph below shows the results of a national survey listing the most common required level of education for Industrial Production Managers.



## EDUCATION FOR THIS JOB

- 2014 Catalogue of Colorado Advanced Manufacturing Program and Skill Resources  
<http://www.coloradomanufacturingcareers.com/>
- Approved Colorado Community College Manufacturing Cluster education programs  
<http://www.coloradocommunitycolleges.com/go/programs/skilled-trades-technical-sciences/>  
<http://www.coloradocommunitycolleges.com/go/>
- Colorado Four Year Colleges and Universities  
<http://highered.colorado.gov/academics/colleges/public4year.asp>
- Locations to Get Manufacturing Certificates  
<http://www.coloradomanufacturingcareers.com/>

