

# BioCareer Pathway for Production Engineer

## Recent Graduates

- Bachelor's degree in production or manufacturing engineering (a Masters typically means faster advancement and higher starting salary). Six sigma certification is an asset and for some companies will be a requirement.

## Entry-level

Intern (as part of Engineer in Training certification)

## 2-5 Years

Production Engineer I  
Production Engineer II

## 5-10 Years

Production Engineer III  
Production Engineering Supervisor

## 10+ Years

Production Engineering Manager

## Career Change

Process Development Technician  
(with additional courses in engineering)

## Job Functions

(You may be responsible for more than one)

- Designing production planning and control systems
- Conducting quality checks and troubleshooting faulty parts and internal fixtures and structures
- Responsibility for castings, joining processes, metal cutting & tool design, metrology, machine tools, machining systems, automation, jigs and fixtures, and die and mould design
- Increasing productivity by managing people, processes, and technologies

Actual job titles may vary slightly between organizations.