



Senior Design Engineer

Salary Answers

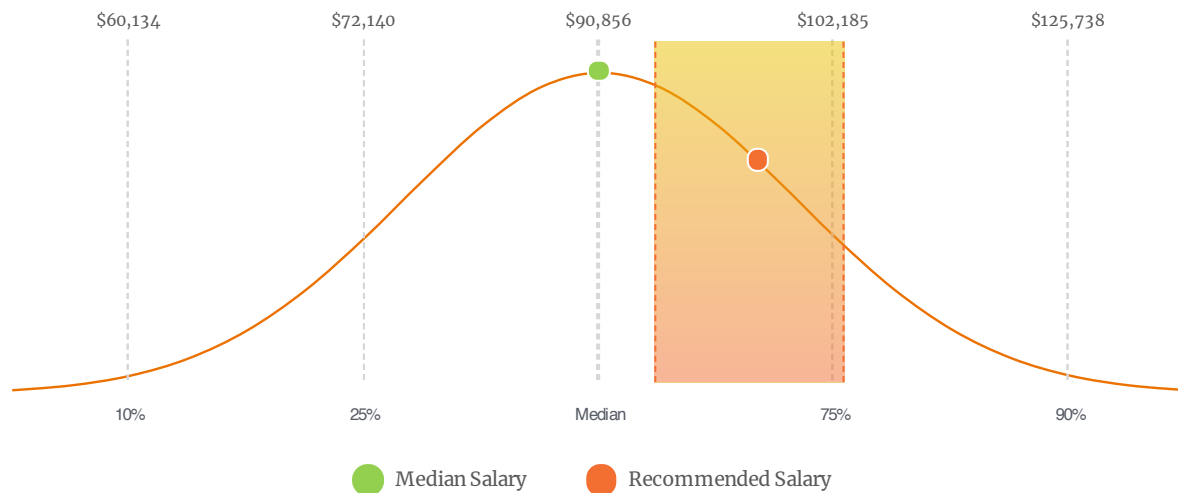
Report Parameters:

Metro Area:	Detroit-Warren-Dearborn, MI	Education:	Bachelor's Degree
Experience:	4 - 6 years	Number of Employees:	50 - 99
Annual Revenue Range:	\$50M - \$200M	Industry:	Fluid Power Pump and Motor Manufacturing

Key Insights



Senior Design Engineer Recommended Salary



Source: LaborIQ proprietary ATILA® Technology

Recommended Salary Range: \$93,535 - \$103,381

The median salary for the "Senior Design Engineer" job title in Detroit-Warren-Dearborn, MI is \$90,856. Based on the criteria selected with 4 - 6 years experience and Bachelor's Degree, the recommended salary is between \$93,535 and \$103,381.

Talent availability for the "Senior Design Engineer" job title, matching your criteria in Detroit-Warren-Dearborn, MI is in significant short supply. Consider boomerang employees or recruiting from other metro areas to fill vacancies in this role. Non-traditional benefits may help attract talent, if your budget is below the recommended salary range.

Why It Matters

The median salary for the "Senior Design Engineer" job title has increased by 14.8% compared with the same time last year. Based on the criteria selected, you can expect to pay 8.0% more than the current median salary. Expect salaries to remain steady through the next four quarters.

It is currently a job candidate's market and will remain that way even as talent supply will remain steady through the next 4 quarters.

Skills & Job Responsibilities

Job Responsibilities

Design new engineering products and processes.

Find creative design solutions to problems.

Improve existing products and processes.

Write detailed reports.

Install or maintain electrical control systems, industrial automation systems, or electrical equipment, including control circuits, variable speed drives, or programmable logic controllers.

Determine project material or equipment needs.

Update knowledge and skills to keep up with rapid advancements in computer technology.

Prepare engineering sketches or specifications for construction, relocation, or installation of equipment, facilities, products, or systems.

Build, test, and modify product prototypes using working models or theoretical models constructed with computer simulation.

Prepare documentation containing information such as confidential descriptions or specifications of proprietary hardware or software, product development or introduction schedules, product costs, or information about product performance weaknesses.

Write detailed functional specifications that document the hardware development process and support hardware introduction.

Design or modify engineering schematics for electrical transmission and distribution systems or for electrical installation in residential, commercial, or industrial buildings, using computer-aided design (CAD) software.

Diagnose, test, or analyze the performance of electrical components, assemblies, or systems.

Confer with engineering staff and consult specifications to evaluate interface between hardware and software and operational and performance requirements of overall system.

Specify power supply requirements and configuration, drawing on system performance expectations and design specifications.

Hard Skills

Circuit design

Semiconductor design

Understand detailed technical documents

Knowledge of analysis packages

CAD/CAE development tools

Technical Support

Coordination

Entrepreneurial

Presentation skills

Excel

Planning

Project Management

Data Management

Manufacturing Processes

Pre-Production