

IMPORTANT ENGINEERING INDUSTRIES

1. QUESTION: Which industries employ the most engineers?

In a systematic study of 237 industries using 2011 Census statistics, 52 industries employed 1,000 or more qualified engineers. These industries in rank order are:

1. Architectural, Engineering and Technical Services; employment 38,984 and growth 8.9% pa
2. Computer System Design and Related Services; employment 12,073 and growth 6.0% pa
3. Machinery and Equipment Manufacturing; employment 11,353 and growth 2.0% pa
4. Heavy and Civil Engineering Construction; employment 6,972 and growth 12.9% pa
5. Tertiary Education; employment 6,937 and growth 4.5% pa
6. Transport Equipment Manufacturing; employment 6,911 and growth 5.1% pa
7. Telecommunications Services; employment 6,264 and growth 4.5% pa
8. Other Machinery and Equipment Wholesaling; employment 6,091 and growth 4.9% pa
9. Defence; employment 5,397 and growth 2.1% pa
10. Management and Related Consulting Services; employment 4,735 and growth 7.0% pa
11. Air and Space Transport; employment 4,585 and growth 5.2% pa
12. Metal Ore Mining; employment 4,467 and growth 12.4% pa
13. State Government Administration; employment 4,391 and growth -0.3% pa
14. Local Government Administration; employment 4,224 and growth 3.3% pa
15. Primary Metal and Metal Products Manufacturing; employment 4,202 and growth 3.2% pa
16. Non-Residential Building Construction; employment 3,513 and growth 9.2% pa
17. Water Supply, Sewerage and Drainage Services; employment 3,477 and growth 5.7% pa
18. Electricity Distribution; employment 3,284 and growth 11.3% pa
19. Oil and Gas Extraction; employment 3,264 and growth 18.7% pa
20. Building Installation Services; employment 3,237 and growth 8.5% pa

IMPORTANT ENGINEERING INDUSTRIES

21. Food Product Manufacturing; employment 3,192 and growth 5.0%pa
22. Cafes, Restaurants and Takeaway Food Services; employment 3,025 and growth 8.3% pa
23. Manufacturing nfd; employment 2,933 and growth 3.3% pa
24. Coal Mining; employment 2,562 and growth 12.7% pa
25. Residential Building Construction; employment 2,560 and growth 3.9% pa
26. Basic Chemicals & Chemical Product Manufacturing; employment 2,554 and growth -1.5% pa
27. Machinery and Equipment Repair and Maintenance; employment 2,308 and growth 7.1% pa
28. Public Order and Safety Services; employment 2,173 and growth 3.6% pa
29. Scientific Research Services; employment 2,168 and growth 2.1% pa
30. Depository Financial Intermediation; employment 2,130 and growth 11.0% pa
31. Fabricated Metal Product Manufacturing; employment 2,059 and growth 5.2% pa
32. Central Government Administration; employment 1,921 and growth 8.2% pa
33. Auxiliary Finance and Investment Services; employment 1,685 and growth 2.5% pa
34. Other Transport Support Services; employment 1,671 and growth 20.8% pa
35. Rail Passenger Transport; employment 1,662 and growth 8.8% pa
36. Building Cleaning and Related Services; employment 1,550 and growth 7.9% pa
37. Supermarkets and Grocery Stores; employment 1,508 and growth 7.4% pa
38. Other Mining Support Services; employment 1,476 and growth 15.6% pa
39. School Education; employment 1,474 and growth 3.8% pa
40. Non-Metallic Mineral Product Manufacturing; employment 1,473 and growth 3.5% pa
41. Polymer Product & Rubber Product Manufacturing; employment 1,468 and growth -2.3% pa
42. Road Passenger Transport; employment 1,457 and growth 9.9% pa
43. Electricity Generation; employment 1,454 and growth 6.5% pa

IMPORTANT ENGINEERING INDUSTRIES

- 44 Hospitals; employment 1,397 and growth 6.2% pa
- 45 Electrical and Electronic Goods Retailing; employment 1,346 and growth 1.8% pa
- 46 Road Freight Transport; employment 1,265 and growth 4.0% pa
- 47 Other Administrative Services; employment 1,236 and growth 5.7% pa
- 48 Employment Services; employment 1,225 and growth 3.1% pa
- 49 Airport Operations and Other Air Transport Support; employment 1,166 and growth 4.5% pa
- 50 Legal and Accounting Services; employment 1,123 and growth 4.3% pa
- 51 Adult, Community and Other Education; employment 1,068 and growth 3.8% pa
- 52 Construction nfd; employment 1,052 and growth 3.4% pa

The following diagram shows that fewer engineers were employed in each successive group of 10 industries:

