



Sample List of A/E/C Careers

The Architecture, Engineering, and Construction (AEC) industry offers a diverse range of career choices that cater to various interests and skills. Sample list of AEC career choices:

1. Architectural Careers:

- Architect
- Architectural Designer
- Interior Designer
- Urban Planner
- Landscape Architect
- Historic Preservation Specialist

2. Engineering Careers:

- Civil Engineer
- Structural Engineer
- Geotechnical Engineer
- Transportation Engineer
- Environmental Engineer
- Mechanical Engineer (HVAC systems)
- Electrical Engineer
- Fire Protection Engineer

3. Construction Management and Trades:

- Construction Manager
- Project Manager
- Construction Superintendent

- Quantity Surveyor
- Estimator
- Construction Safety Officer
- Carpenter
- Electrician
- Plumber
- Mason
- Welder
- Site Preparation Contractors
- All Other Specialty Trade Contractors

4. Surveying and Geospatial Careers:

- Land Surveyor
- Geomatics Engineer
- GIS Specialist (Geographic Information Systems)
- Remote Sensing Technician

5. Building Services and Facilities Management:

- Facilities Manager
- Building Services Engineer
- Energy Consultant
- Sustainability Specialist
- Building Information Modeling (BIM) Specialist

6. Construction Technology and Innovation:

- BIM Manager
- Virtual Design and Construction (VDC) Specialist
- Construction Technologist
- Augmented Reality (AR) Developer for AEC

- Construction Robotics Engineer

7. Real Estate and Development:

- Real Estate Developer
- Property Manager
- Real Estate Appraiser
- Real Estate Broker

8. Materials and Quality Control:

- Materials Engineer
- Quality Control Manager

9. Health and Safety:

- Health and Safety Manager
- Occupational Health and Safety Specialist

10. Legal and Regulatory Careers:

- Construction Law Attorney
- Building Code Inspector

11. Consulting and Advisory Services:

- AEC Consultant
- Sustainability Consultant
- Building Performance Analyst

12. Pre-Construction and Design Services:

- Pre-construction Manager
- Design Manager

Sample List of A/E/C Careers

This list is not exhaustive, but it provides a comprehensive overview of the diverse career opportunities within the Architecture, Engineering, and Construction industry. Each of these roles plays a crucial part in shaping the built environment and infrastructure that surrounds us.

Construction (AEC) industry:

1. Architectural Careers:

- Architect
- Architectural Designer
- Interior Designer
- Urban Planner
- Landscape Architect
- Historic Preservation Specialist
- Healthcare Architect
- Retail Designer
- Residential Designer
- Commercial Architect
- Industrial Architect
- Educational Facility Designer

2. Civil and Structural Engineering Careers:

- Civil Engineer
- Structural Engineer
- Geotechnical Engineer
- Bridge Engineer
- Tunnel Engineer

- Coastal Engineer
- Water Resources Engineer
- Earthquake Engineer
- Materials Engineer
- Transportation Engineer
- Traffic Engineer
- Highway Engineer
- Airport Engineer

3. Mechanical, Electrical, and Plumbing (MEP) Engineering Careers:

- Mechanical Engineer
- HVAC Engineer
- Plumbing Engineer
- Fire Protection Engineer
- Electrical Engineer
- Lighting Designer
- Power Systems Engineer
- Building Automation Engineer

4. Construction Management and Trades:

- Construction Manager
- Project Manager
- Construction Superintendent
- Estimator
- Quantity Surveyor
- Cost Engineer
- Scheduler
- Construction Safety Manager
- Construction Quality Control Manager

- Carpenter
- Electrician
- Plumber
- Mason
- Welder
- Ironworker
- Drywaller
- Concrete Finisher
- Glazier
- Roofing Specialist
- Flooring Installer
- Painter
- Equipment Operator
- Construction Laborer

5. Surveying and Geospatial Careers:

- Land Surveyor
- Geomatics Engineer
- Geographic Information Systems (GIS) Specialist
- Remote Sensing Analyst
- Cartographer
- Photogrammetrist

6. Building Services and Facilities Management:

- Facilities Manager
- Building Services Engineer
- Energy Manager
- Sustainability Coordinator
- BIM Manager

- Building Automation Specialist

7. Construction Technology and Innovation:

- BIM Coordinator
- VDC Manager (Virtual Design and Construction)
- Construction Technologist
- Augmented Reality (AR) Developer for AEC
- Construction Robotics Engineer
- 3D Printing Specialist for Construction

8. Real Estate and Development:

- Real Estate Developer
- Property Manager
- Real Estate Appraiser
- Real Estate Broker

9. Materials and Quality Control:

- Materials Engineer
- Quality Control Manager
- Non-Destructive Testing (NDT) Technician

10. Health and Safety:

- Health and Safety Manager
- Occupational Health and Safety Specialist

11. Academic and Research Careers:

- AEC Educator
- AEC Researcher

12. Legal and Regulatory Careers:

- Construction Law Attorney
- Building Code Inspector

13. Consulting and Advisory Services:

- AEC Consultant
- Sustainability Consultant
- Building Performance Analyst

14. Pre-Construction and Design Services:

- Pre-construction Manager
- Design Manager
- Design-Build Coordinator

15. Financial and Business Management:

- AEC Financial Analyst
- AEC Business Development Manager

16. AEC Marketing and Sales:

- AEC Marketing Specialist
- AEC Sales Representative

17. AEC Entrepreneurship:

- Founder of AEC Startups