

# AEROSPACE & AVIATION CAREER LADDER



Master's/Doctoral Degree



Aeronautical Engineers  
Industrial Engineers

Electrical/Electronics Engineers  
Systems Engineers

Advanced STEM Knowledge & Analytical Skills, Strategic Thinking,  
Organizational Planning, Advanced Leadership Skills



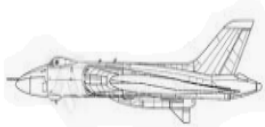
Bachelor's Degree  
4 Years



Electronics Engineers  
Materials Engineers  
Cost Estimators  
Aerospace Engineers  
Logistics Management Specialists  
Airline Pilots, Co-Pilots and Flight Engineers

Industrial Engineers  
Systems Engineers  
Software Developers  
Electronics Engineers

Advanced STEM Knowledge & Analytical Skills, Strategic Thinking,  
Organizational Planning, Advanced Leadership Skills



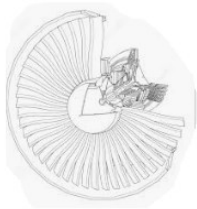
Associate's Degree  
2 Years



Electro-Mechanical Technicians  
Composite Mechanics  
Air Traffic Controllers  
Mechanical Engineering Technicians  
Industrial Machinery Mechanics  
Aerospace Engineering & Operations Technicians

Sheet Metal Mechanics  
Mechanical Drafters  
Avionics Technicians

Design/Modeling, Mechanical/Electrical Intermediate & Troubleshooting  
Skills, Machine Maintenance, Leadership Skills, STEM & Analytical Skills,  
Complex Problem Solving Skills

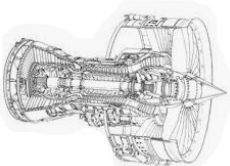


Full Certificate/Diploma  
1-2 Years



Welders  
Computer Numeric Controlled Machinists  
Chemical Manufacturing & Control Specialist  
Aircraft Mechanics & Service Technicians  
Commercial Pilots

Problem Solving Skills, Blueprint & Schematics Reading,  
mechanical/Electrical Basic Skills



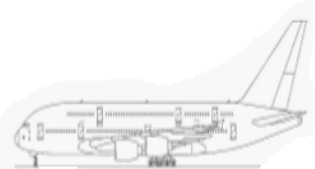
High School/GED



Assemblers  
Airfield Operations Specialists  
Handling Supervisors  
Aircraft Structure, Surfaces, Rigging & Systems Aircraft Cargo

Quality Control Technicians  
Painters

Workplace/Personal Effectiveness Skills, Academic Competencies, Multi-  
tasking & Organizational Skills, Attention to Detail, Mechanical Aptitude,  
Teamwork



Aerospace & Aviation  
Pathways  
Entry Point



Entry & Exit Points allow for seamless transfer of credits for  
stackable credentials.