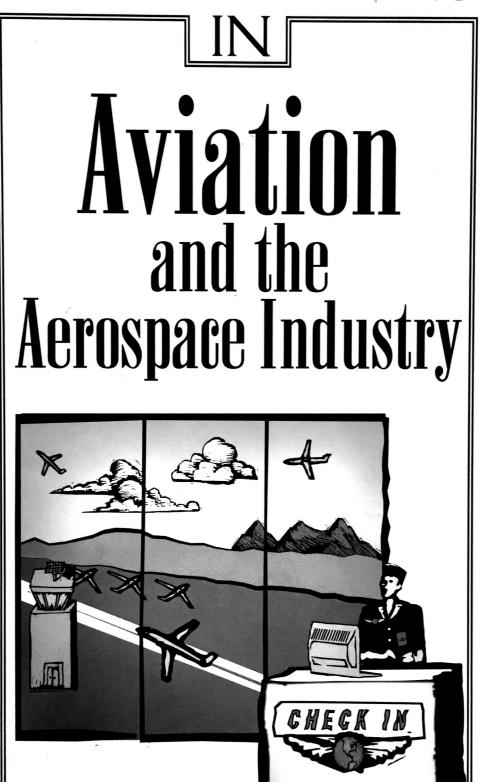
# CAREER——OPPORTUNITIES



SUSAN ECHAORE-McDAVID

## CONTENTS

Acknowledgments ix How to Use This Book xi Introduction xiii

### COMMERCIAL AND PUBLIC SERVICE PILOTS

Airline Pilot 2
Commercial Pilot (General Aviation) 6
Corporate Pilot 10
Charter Pilot 13
Law Enforcement Pilot 16
Emergency Medical Service (EMS) Pilot 20
Air Tanker Pilot 23

### **FLIGHT OPERATIONS**

Aircraft Dispatcher 28
Crew Scheduler 31
Maintenance Controller 33
Aviation Meteorologist 36

### **CUSTOMER SERVICES IN AVIATION**

Flight Attendant 40
Customer Service Agent (Airport or Airline) 43
Passenger Service Agent 46
Airline Reservations Agent 49
Air Cargo Agent 52
Ramp Service Agent (Airlines) 55

#### AIRCRAFT MAINTENANCE

Aviation Maintenance Technician (AMT) 60 Avionics Technician 63 Aircraft Maintenance Inspector 66 Aircraft Maintenance Supervisor 69

#### **AVIATION SAFETY**

FAA Air Traffic Controller (Terminal and ARTCC Facilities) 74

Flight Service Station (FSS) Specialist 77
FAA Aviation Safety Inspector 80
Airspace System Inspection Pilot (ASIP) 83
Aviation Medical Examiner (AME) 86
NTSB Air Safety Investigator 88
Airport Firefighter 91

### **AVIATION SECURITY AND LAW**

Airport Security Screener 96 Airport Police Officer 99 Federal Air Marshal 102 Aviation Lawyer 105

#### AVIATION MANAGEMENT

Aviation Manager 110
Airport Manager 114
Airline Station Manager 117
Fixed Base Operator (FBO) Manager 120
Flight Manager (Corporate Flight
Departments) 123

### AIRPORT ENGINEERING, PLANNING, AND MAINTENANCE

Airport Engineer 128
Airport Planner 131
FAA Electronics Technician 134
Airport Maintenance Worker 137

### AVIATION TRAINING, EDUCATION, AND COMMUNICATIONS

Flight Instructor 142
Aviation Training Developer 145
Aviation Professor 148
Aviation Education Specialist (Nonschool Settings) 151
Aviation Curator 154
Aviation Writer 157
Aviation Public Relations (PR) Specialist 160

### AVIATION CONSULTING AND SALES

Aviation Consultant 164
Aviation Sales Representative 167
Aircraft Broker 170
Aviation Insurance Agent 173

### AVIATION RECREATION, SPORTS, AND ENTERTAINMENT

Aerobatic Pilot 178
Commercial Hot-Air Balloon Pilot 181
Hang Gliding Instructor 184
Skydiving Instructor 187

### **MILITARY AVIATION**

Military Pilot 192
Airplane Navigator 195
Flight Engineer 198
Aircraft Loadmaster 201
Aircraft Launch and Recovery Specialist 204
Flight Surgeon 207

### AEROSPACE MANUFACTURING INDUSTRY

Aerospace Engineer 212
Engineer 215
Aerospace Engineering Technician 219
Research Scientist 222

Computer Specialist 225
Production Manager 228
Aerospace Machinist 231
Precision Assembler 234
Quality Specialist 237
Test Pilot 239
Technical Communicator 242

### SPACE FLIGHT AND EXPLORATION

Astronaut 248
Mission Specialist 252
Flight Controller (Human Space Flights) 256
Flight Controller (ISS Payload Operations
Center) 259
NASA Aerospace Technologist (AST) 262
Astronomer 265
Rocket Scientist 268

#### **APPENDIXES**

- I. Pilot Certificates and Ratings 272
- II. Education and Training Resources 274
- III. Professional Associations and Unions 277
- IV. Federal Government Agencies 286
- V. Resources on the World Wide Web 289

Glossary 293 Bibliography 296 Index 301