AIRCRAFT STRUCTURAL TECHNOLOGY

Library Resources

January 2019
# AIRCRAFT STRUCTURAL TECHNOLOGY

## LIBRARY RESOURCES

## TABLE OF CONTENTS

### AIRCRAFT STRUCTURAL TECHNOLOGY BOOKS, JOURNALS, AND VIDEOS IN THE CGTC LIBRARY

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aircraft Structural Technology &amp; Related Books</td>
<td>3-13</td>
</tr>
<tr>
<td>Print Journal Subscriptions</td>
<td>14</td>
</tr>
<tr>
<td>DVD and VHS Video Resources</td>
<td>15</td>
</tr>
</tbody>
</table>

### AIRCRAFT STRUCTURAL TECHNOLOGY BOOKS, JOURNALS, AND VIDEOS ONLINE

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online Journal Subscriptions via GALILEO</td>
<td>16</td>
</tr>
<tr>
<td>eBooks via EBSCOhost</td>
<td>17-18</td>
</tr>
<tr>
<td>Online Videos via FILMS ON DEMAND</td>
<td>19</td>
</tr>
<tr>
<td>ASTT and Related Websites (Associations, Organizations, etc.)</td>
<td>20-21</td>
</tr>
<tr>
<td>Other Databases in GALILEO relevant to ASTT</td>
<td>22</td>
</tr>
</tbody>
</table>
Print Books:

TL 671.9 .A17 2009

Advanced Composites / C. Foreman.
TL 699 .C57 F715 2002

Aerodynamics of Wings and Bodies / H. Ashley.
TL 570 .A76 1985

Aerodynamics : Selected Topics on Their Historical Development / T. Von Karman.
TL 570 .V5717 2004

Aircraft Basic Science / M. Kroes.
TL 671.2 .K74 1993

Aircraft Corrosion Control.
TL 671.3 .A37 1994

TL 690 .B93 1990

Aircraft Electricity and Electronics / T. Eismin.
TL 690 .E37 1989

Aircraft Hydraulic Systems.
TL 697.H9 A42 1993

Aircraft Inspection and Repair : Acceptable Methods, Techniques, and Practices / FAA.
TL 671.7 .A493 2009

Aircraft Inspection, Repair & Alterations : Acceptable Methods, Techniques & Practices /
TL 671.9 .A482 2004

Aircraft Maintenance & Repair / M. Kroes.
TL 671.9 .K72 1993

Aircraft Sheet Metal / N. Bonacci.
TL 671.5 .B64 1987
TL 553.5 .K73 2003

Aircraft Structural Maintenance, revised ed. / Avotek. 
TL 671.9 .A485 2006

Aircraft Structural Technician / D. Hurst. 
TL 671.9 .H87 2001

Aircraft Systems and Components / D. Garrett. 
TL 670 .G224 1992

Aircraft Systems for Pilots / D. DeRemer. 
TL 670 .D36 1991

Aircraft Systems: Understanding Your Airplane / D. Lombardo. 
TL 670 .L66 1988

TL 509 .F68 1992

Aircraft Weight and Balance Handbook. 
TL 671.9 .A47 1999

TL 671.6 .A364 1991

TL 671.6 .A365 2000

TL 671.6 .A362 1989

Airframe Section Textbook / D. Crane. 
TL 671.2 .C67 1985

Airframe Structural Design / M. Niu. 
TL 671.6 .N56 2006

Airframe Test Guide 2008 / D. Crane. 
TL 671.9 .C73 A57 2007

Airframe Test Guide: Study & Prepare: Pass your Test and Know What is Essential to Become a Safe, Competent AMT 
TL 671.9 .A374 2014
TL 671.9 .A17 2009

Airlife's World Aircraft : The Complete Reference to Civil, Military and Light Aircraft /
TL 670 .S478 2001

TL 670.3 .A49 2002

TL 515 .A624

Applied Science for the Aviation Technician.
TL 546 .A63 1993

Aviation Maintenance Management / H. Kinnison.
TL 671.9 .K58 2004

Aviation Maintenance Technician Handbook : Airframe / FAA.
Limited Reserve TL 671.9 .A95 2012

Aviation Maintenance Technician Handbook : General / FAA.
TL 671.9 .A94 2008

Aviation Maintenance Technician Handbook : Powerplant, Volume 1 & 2 / FAA.
Limited Reserve TL 701.5 .A94 2012

TL 671.9 .C663 2006

Aviation Maintenance Technician Series : General / D. Crane.
TL 671.9 .C66467 2005

Aviation Maintenance Technician Series : Powerplant / D. Crane.
TL 701.5 .C725 2007

Aviation Mechanic for General, Airframe and Powerplant: Practical Test Standards.
TL 671.9 .A95 2003

Aviation Mechanic Handbook / D. Crane.
TL 671.9 .C6648 2006

TL 553.5 .F47 2012
Basic Blueprint Reading and Sketching / C. Olivo.  
T 379 .O4 2005

Basic Metrology for ISO 9000 Certification / G. de Silva.  
TS 156 .D47 2002

The Benchmarking Book / M. Spendolini.  
HD 62.15 .S65 1992

The Bird Is On the Wing : Aerodynamics and the Progress of the American Airplane / 
TL 565 .H325 2004

Blueprint Reading Basics / W. Hammer.  
T 379 .H34 2001

Blueprint Reading for Machine Trades / D. Taylor.  
T 379 .T39 2005

Breakthrough Thinking in Total Quality Management / G. Hoffherr.  
HD 62.15 .H63 1994

Building Metal Airplanes : Materials, Tools, Techniques / S. Englert.  
TL 671.2 .E54 2003

Calibration & Standards, DC-40 GHz / R. Calhoun.  
TK 7878.4 .C33 1994

TA 165 .C12 2005

Ref TL 509 .G88 2004

Career Opportunities in Aviation and the Aerospace Industry / S. Echaore-McDavid.  
HD 8039 .A23 E285 2005

Clipping the Clouds : How Air Travel Changed the World / M. Dierikx.  
HE 9787 .D54 2008

Commercial Aviation Safety / A. Wells.  
TL 553.5 .W46 2004

Ref TL 509 .C56 2002
The Flying Book : Everything You’ve Ever Wondered About Flying on Airplanes / D. Blatner.
TL 546.7 .B58 2003

Fundamentals of Aircraft Material Factors / C. Dole.
TL 698 .D64 1993

TL 671 .S565 1987

TL 671.9 .A18 2004

HD 62.15 .G74 1993

Gossamer Odyssey: The Triumph of Human-Powered Flight / M. Grosser.
TL 769 .G76

Great Book of Modern Warplanes / M. Spick.
UG 1240 .S66 2000

Grumman X-29 / S. Pace.
TL 686.G78 P33 1990

Guidebook to ISO 9000 and ANSI/ASQC Q90 / R. Cottman.
TS 156 .C6165 1993

History of Aerodynamics / J. Anderson.
TL 570 .A679 1997

Illustrated Dictionary of Aviation / B. Kumar.
Ref TL 509 .K78 2005

TL 570 .S56 1992

Implementing the ISO 9000 series / J. Lamprecht.
TS 156 .L32 1993

Implementing Total Quality / J. Cullen
TS 156 .C85 1987

Industrial Materials / L. Helsel.
TA 404.8 .H45 2008
Industrial Safety and Health Management / C. Asfahl.  
T 55 .A83 2003

Inside the Stealth Bomber: the B-2 Story / B. Scott.  
UG 1242.B6 S36 1991

Introduction to Aerodynamics / G. Craig.  
TL 570 .C72 2002

Introduction to Aircraft Maintenance, revised ed. / Avotek.  
TL 671.9 .I57 2007

Introduction to Statistical Quality Control / D. Montgomery.  
TS 156 .M64 2001

ISO 9000 : Handbook of Quality Standards and Compliance.  
TS 156 .I84 1992

TS 156 .H692 2006

ISO 9000 : The Year 2000 and Beyond / P. Johnson.  
TS 156 .J656 2000

Jane’s All the World’s Aircraft.  
TL 501 .J36

The Jet Age: True Tales of the Air since 1945 / R. Jackson.  
TL 709 .J32 1980

TS 156 .J87 1988

The Keys to Excellence: The Story of the Deming Philosophy / N. Mann.  
TS 156 .M32 1985

Kitplane Construction / R. Wanttaja.  
TL 671.2 .W26 1990

Managing Quality in America’s Most Admired Companies / J. Spechler.  
HD 62.15 .S646 1993

T 60.8 .G35 1994
UG 1242.F5 D64 1989

Ref HD 62.15 .C668 1995

McGraw-Hill Encyclopedia of Science and Technology (20 v.)
Ref Q 121 .M3 2007

Measurement and Control Basics / T. Hughes.
TS 156.8 .H78 2002

Mechanical Measurements / T. Beckwith.
TA 165 .B38 1993

Mechanics of Sheet Metal Forming / Z. Marciniak.
TS 250 .M327 2002

Milestones of Aviation : Smithsonian National Air and Space Museum / J. Greenwood.
TL 515 .M44 2008

The Miracle of Flight / S. Dalton.
TL 570 .D34 1999

Nanoscale Calibration Standards and Methods / G. Wilkening.
TA 418.9.N35 N34 2005

100 Years of Air Power and Aviation / R. Higham.
UG 630 .H573 2004

The Plane Truth : Airline Crashes, the Media, and Transportation Policy / R. Cobb.
TL 553.5 .C487 2003

Planning for Quality, Productivity, and Competitive Position / H. Gitlow
TS 156.6 .G57 1990

TP 1160 .P53 2003

Powerplant Test Guide 2011
TL 671.9 .C73 P6 2011

Practical Aviation Law / J. Hamilton.
KF 2400 .H36 2007
Principles and Practices of TQM / T. Cartin.
HD 62.15 .C364 1993

Print Reading for Engineering and Manufacturing Technology / D. Madsen.
TR 920 .M33 2004

Print Reading for Industry / W. Brown.
T 379 .B764 2001

Process Control Instrumentation Technology / C. Johnson.
TS 156.8 .J63 1993

T 50 .B75 2007

Quality Control / D. Besterfield.
TS 156 .B47 2004

The Quality Imperative
HF 5415.157 .B87 1994

Quality Management: Implementing the Best Ideas of the Masters / B. Brocka.
HD 62.15 .B73 1992

Quality or Else: The Revolution in World Business / L. Dobyns.
HD 62.15 .D63 1991

Quality Planning and Analysis: From Product Development Through Use / J. Juran.
TS 156 .J86 1980

UG 630 .R52 2006

Sheet Metal, 2nd ed. / L. Meyer.
TS 250 .M54 2006

Sheet Metal Forming Processes and Die Design / V. Boljanovic.
TS 250 .B815 2004

TL 255 .F64 1989

Sheet Metal Shop Practice / L. Meyer.
TS 250 .M543 1975
TS 250 M544 2011

TL 570 .T4613 1997

Sky As Frontier: Adventure, Aviation, and Empire / D. Courtwright. 
TL 515 .C69 2005

The Smithsonian Book of Flight / W. Boyne. 
TL 515 .B665 1987

Standard Aircraft Handbook. 
TL 671.28 .S69 1999

Statistical Process Control: The Deming Paradigm and Beyond / J. Thompson. 
TS 156.8 .T55 2002

Statistical Quality Control / M. Chandra. 
TS 156 .C4245 2001

Stealth Technology: The Art of Black Magic / J. Jones. 
UG 1243 .J66 1989

Stick and Rudder: An Explanation of the Art of Flying / W. Langewiesche. 
TL 570 .L265 1972

HE 9774 .H36 2003

Today's 40 Most Frequently Used Fittings / R. Budzik. 
TS 250 .B8652 1991

HD 62.15 .W42 1991

HD 62.15 .J642 1993

HF 5549.5.T7 J527 1993

HD 62.15 .J643 1993
Tools of Total Quality: An Introduction to Statistical Process Control / P. Lyonnet.
TS 156.8 .L9613 1991

TL 671.6 .S57 2005

Understanding Aircraft Structures, 4th ed. revised / J. Cutler.
TL 671.6 C88 2005

Understanding Flight / D. Anderson.
TL 570 .A69 2001

Van Sickle's Modern Airmanship.
TL 545 .V35 1990

World Encyclopedia of Aircraft Manufacturers / B. Gunston.
HD 9711 .A2 G86 2005
Print Journal Subscriptions:

**Aircraft Maintenance Technology**
ISSN 1072-3145

**Aviation Week & Space Technology**
ISSN 0005-2175

**Sheet Metal Workers Journal**
ISSN 1528-2805
DVD/Video Resources:

Aviation Mechanic Series:

Aviation Mechanic: Airframe (DVD)
Aviation Mechanic: General (DVD)
Aviation Mechanic: Powerplant (DVD)

Covell DVD Series:

Hammerforming Techniques (DVD)
MIG Welding Made Easy (DVD)
Shaping Aluminum with Handtools (DVD)
TIG Welding Basics (DVD)

General videos:

Aircraft Metal Working 101 (DVD)
Basic Composite Aircraft Construction (DVD)
Basic Composite Construction Techniques (DVD)
Composite Structure Awareness (DVD)
Polishing Natural "Unpainted" Aluminum Aircraft (DVD)
RV Rudder Workshop (DVD)
Scratch Building Basics for Metal Aircraft, Disc 1 (DVD)
Scratch Building Basics for Metal Aircraft, Disc 2 (DVD)

Arc Welding, 1 & 2
Area and Volume
Corrosion Control
How Planes Fly
Identification and Application of Aircraft Hardware
In Celebration of Flight
Making the Difference
Measuring and Layout Tools
Mechanics Tool Box
The Micrometer
Oxy Welding, 1 & 2
Put Wings in Your Career
Rivet ID
Vernier Caliper
Weight and Balance
Online Journal Subscriptions via GALILEO:

**Aircraft Engineering and Aerospace Technology**  
ISSN 1369-8869  
ProQuest ABI/INFORM Complete

**Aircraft Maintenance Technology**  
ISSN 1072-3145  
ProQuest Career and Technical

**Aviation History**  
ISSN 1076-8858  
EBSCOhost Academic Search Complete

**Aviation Today**  
ISSN 1090-221X  
[www.aviationtoday.com](http://www.aviationtoday.com)

**Aviation Week & Space Technology**  
ISSN 0005-2175  
EBSCOhost Academic Search Complete

**Flight International**  
ISSN 0015-3710  
ProQuest ABI/INFORM Complete

**Plane and Pilot**  
ISSN 0032-0617  
ProQuest Career and Technical
Electronic Books (eBooks from EBSCOhost):


Flying Machines : Construction and Operation / W. Jackman Champaign, Ill. Project Gutenberg.
Flying Over the USA: Airplanes in American Life / M. Sandler. 

Illustrated Dictionary of Aviation / B. Kumar. 

Load Bearing Fiber Composites / M. Piggott 

Mastering Statistical Process Control / T. Stapenhurst. 

The Plane Truth: Airline Crashes, the Media, and Transportation Policy / R. Cobb. 


Transforming Performance Measurement : Rethinking the Way We Measure and Drive Organizational Success / D. Spitzer. 

Understanding Flight, 2nd ed. / D. Anderson. 

ABC-CLIO. 2011.


Understanding, Managing, and Implementing Quality / J. Antony 

Who Owns the Sky? : The Struggle to Control Airspace from the Wright Brothers on / 

Wingless Eagle : U.S. Army Aviation Through World War I / H. Johnson 

The Wright Way / M. Eppler. 
Online Videos via Films on Demand
To access FILMS ON DEMAND from our campuses and centers:

1. Start at the CGTC Library website www.centralgatech.edu/library.
2. Select Library Resources from right navigation menu.
3. Select Films on Demand then Go to Films on Demand.

*Off-campus users need the current GALILEO password. Send an email to library@centralgatech.edu with subject “GALILEO Password Request” and your Student ID# and name in body of the message.

4. Searching for videos in Films on Demand:
   A. Enter your search terms in the Search box at the top of the page and select the red button to search.
   B. A list of video titles will display on a new page.

5. Recommended Subject Headings for ASTT videos:
   Technical Education > Engineering Technology > Aerodynamics & Aeronautics
   Technical Education > Building & Technical Trades > Blueprint Reading

6. Viewing videos on Films on Demand:
   A. When you find a video in the results list, select the video title or picture to open it.
   B. To view the video, select anywhere on the video player to start.
   C. Hovering the mouse over the video player will display options to play/pause the video, adjust the volume, and expand the video to full screen.

* For an online tutorial and additional information go to: http://libguides.centralgatech.edu/FOD
AIRCRAFT STRUCTURAL TECHNOLOGY
CGTC Library Resources
January 2019

ASTT & Related Web Sites:

Aerospace Industries Association (AIA)
www.aia-aerospace.org

Air & Space Magazine
www.airspacemag.com

Aircraft Maintenance Technology
https://amt.epubxp.com/

Aircraft Owners and Pilots Association (AOPA)
www.aopa.org

Airframer
www.airframer.com

American Institute of Aeronautics and Astronautics (AIAA)
www.aiaa.org

American Society for Composites
www.asc-composites.org

Aviation Maintenance Technician Handbook : General 2018
www.faa.gov/regulations_policies/handbooks_manuals/aircraft/media/amt_general_handbook.pdf

Aviation Maintenance Technician Handbook : Airframe 2018, Volume 1
www.faa.gov/regulations_policies/handbooks_manuals/aircraft/media/amt_airframe_hb_vol_1.pdf

www.faa.gov/regulations_policies/handbooks_manuals/aircraft/media/amt_airframe_hb_vol_2.pdf

Aviation Maintenance Technician Handbook : Powerplant 2018, Volume 1

Aviation Today
www.aviationtoday.com

Aviation Technician Education Council
www.atec-amt.org

Federal Aviation Administration (FAA)
www.faa.gov

Flight Safety Foundation
www.flightsafety.org

Museum of Aviation – Warner Robins
www.museumofaviation.org

National Aeronautic Association (NAA)
www.naa.aero

National Air & Space Museum – Washington, DC
www.nasm.si.edu

National Air Transportation Association
www.nata.aero

National Transportation Safety Board – Aviation
www.ntsb.gov/investigations/index.html

Professional Aviation Maintenance Association (PAMA)
www.pama.org

Robins Air Force Base
www.robins.af.mil

Sheet Metal Occupational Health Institute Trust
www.smohit.org

Sheet Metal Workers International Association
www.smwia.org
**Full Text Databases Online via GALILEO:**
Part of the Database Offerings in GALILEO, Georgia’s Virtual Library

**EBSCOhost full-text journal databases:**
- Academic Search Complete
- Advanced Placement Source
- Business Source Complete
- MasterFILE Premier
- Science and Technology Collection Collection
- Vocational and Career Collection

**ProQuest full-text journal databases:**
- ABI/INFORM Complete
- Career & Technical Education
- Research Library

*For ASSISTANCE accessing any online database, eBook, online journal, or other resource please contact the CGTC Library at: library@centralgatech.edu.*