AEROSPACE SHORT COURSES

SPRING 2022 - SPRING 2023

INSIDE YOU’LL FIND
New course schedules
Certificates of Specialization
In-person and online opportunities

The University of Kansas
ORGANIZATIONS TRUST KU AEROSPACE SHORT COURSES

For more than 40 years, aerospace organizations have looked to the University of Kansas Aerospace Short Course Program to deliver high-quality training. Now that same high-quality training can be delivered in-person or online. Contact us today to find out how you and your team can benefit from training delivered directly to your organization:

- 50+ courses available
- Flexible scheduling
- Customizable content
- Competitive pricing
- No employee travel
- Online and in-person

Do you have questions about bringing a course to your organization? Reach out to us today for a no-cost, no-obligation proposal. Contact Marina Enclarde at 913-897-8781 or email professionalprograms@ku.edu.

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aeroshortcourses.ku.edu
AVAILABLE ONLINE COURSES

Advance your knowledge, skills and career from wherever you are.
We're actively developing new online learning opportunities so you can continue meeting your professional development goals. Now you can take advantage of high-quality and engaging live online Aerospace Short Courses – our highest-demand topics from instructors working in industry and academia. Visit our Online Learning page at LPE.ku.edu/aero-online-courses for complete details.

Upcoming open enrollment online classes:

- **April 11, 2022** - Fundamentals of V/STOL Rotorcraft
- **June 6, 2022** - Instructions for Continued Airworthiness Using Enhanced Zonal Analysis Procedure
- **July 11, 2022** - Fundamental Avionics
- **August 2, 2022** - High Intensity Radiated Fields (HIRF) Certification and Compliance

Visit LPE.ku.edu/aero-online-courses for more information on upcoming online classes.

HISTORY OF AIRPLANE DESIGN WEBINAR SERIES  FREE for all participants!

with Dr. Jan Roskam

Join Dr. Jan Roskam for the History of Airplane Design webinar series, profiling top aircraft design and production companies. Dr. Roskam is a distinguished expert in the field of aerospace engineering, world-renowned for his work in design. He is the founder of the KU Aerospace Short Course Program, and the Ackers Distinguished Professor Emeritus of Aerospace Engineering, University of Kansas. Visit LPE.ku.edu/aero-online to register.

Overview of Unusual Airplane Configurations, Part I
March 16, 2022 • 11:00 a.m. – Noon CT

Overview of Unusual Airplane Configurations, Part II
April 20, 2022 • 11:00 a.m. – Noon CT

The Beginning, Rise and Decline of the Wichita, Kansas Aircraft Industry
May 18, 2022 • 11:00 a.m. – Noon CT

Airplane Designs That Did Not Make It and WHY
June 15, 2022 • 11:00 a.m. – Noon CT

Airplane Design Lessons Learned the Hard Way
July 20, 2022 • 11:00 a.m. – Noon CT

We offer free recordings of past webinars on our website at LPE.ku.edu/aero-online. Stay tuned for more webinars coming this spring.
## UPCOMING PUBLIC COURSES BY DATE AND LOCATION

### SEATTLE, WASHINGTON | MARCH 28 - APRIL 1, 2022

**DoubleTree Suites by Hilton Hotel Seattle Airport Southcenter | LPE.ku.edu/aero-seattle**

<table>
<thead>
<tr>
<th>MONDAY 3/28</th>
<th>TUESDAY 3/29</th>
<th>WEDNESDAY 3/30</th>
<th>THURSDAY 3/31</th>
<th>FRIDAY 4/1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerodynamic Design of Commercial Airplanes</td>
<td>Aircraft Structural Loads: Criteria, Analysis, and Validation</td>
<td>Electrical Wiring Interconnection System (EWIS) and FAA Requirements</td>
<td>FAA Aircraft Certification and Airworthiness Approvals</td>
<td>Flight Test Principles and Practices</td>
</tr>
<tr>
<td>Stress Analysis for Aerospace Structures</td>
<td>Structural Composites</td>
<td>System Safety Assessment for Commercial Aircraft Aviation</td>
<td>Systems and Safety for Electric/Hybrid Electric Aircraft and Urban Air Mobility</td>
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### KANSAS CITY METRO | APRIL 25 - 29, 2022

**KU Edwards Campus | Overland Park, Kansas | LPE.ku.edu/aero-kc**

|-------------|--------------|-----------------|---------------|------------|

### SAN DIEGO, CALIFORNIA | SEPTEMBER 19-23, 2022

**San Diego Marriott Mission Valley | LPE.ku.edu/aero-sandiego**

<table>
<thead>
<tr>
<th>MONDAY 9/19</th>
<th>TUESDAY 9/20</th>
<th>WEDNESDAY 9/21</th>
<th>THURSDAY 9/22</th>
<th>FRIDAY 9/23</th>
</tr>
</thead>
</table>
# Upcoming Public Courses by Date and Location

## Orlando, Florida | October 17-21, 2022

<table>
<thead>
<tr>
<th>Monday 10/17</th>
<th>Tuesday 10/18</th>
<th>Wednesday 10/19</th>
<th>Thursday 10/20</th>
<th>Friday 10/21</th>
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</thead>
<tbody>
<tr>
<td>Advanced Avionics</td>
<td>Newly added</td>
<td>Aircraft Structures: Analysis and Design</td>
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<tr>
<td>Cabin Safety and Crashworthiness of Aircraft Cabin Interiors</td>
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<tr>
<td>Complex Electronic Hardware Development and DO-254*</td>
<td>Integrated Modular Avionics (IMA) and DO-297*</td>
<td>FAA Aircraft Certification and Airworthiness Approvals</td>
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<tr>
<td>FAA Type Certification Plan Development</td>
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<tr>
<td>Introduction to RTCA DO-160 Qualification: Purpose, Testing and Design Considerations</td>
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<tr>
<td>Unmanned Aircraft System Software Airworthiness</td>
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</tbody>
</table>

*COMBINE COURSES: Save 20% when you combine Complex Electronic Hardware Development and DO-254 and Integrated Modular Avionics (IMA) and DO-297.

## Seattle, Washington | April 17-21, 2023

<table>
<thead>
<tr>
<th>Monday 4/17</th>
<th>Tuesday 4/18</th>
<th>Wednesday 4/19</th>
<th>Thursday 4/20</th>
<th>Friday 4/21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aircraft Avionics Test and Evaluation Fundamentals</td>
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<tr>
<td>Aircraft Structures: Analysis and Design</td>
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<td></td>
</tr>
<tr>
<td>Complex Electronic Hardware Development and DO-254*</td>
<td>Integrated Modular Avionics (IMA) and DO-297*</td>
<td>Cybersecurity Fundamentals for Aerospace Design, Engineering and Operations</td>
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<tr>
<td>Electromagnetic Effects Aircraft Level Testing and FAA Requirements</td>
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<td></td>
<td></td>
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<tr>
<td>Fundamentals of V/STOL Rotorcraft</td>
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<td></td>
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<tr>
<td>Instructions for Continued Airworthiness Using Enhanced Zonal Analysis Procedure (EZAP)</td>
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<td></td>
<td></td>
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<tr>
<td>Operational Aircraft Pzerformance and Flight Test Practices</td>
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<tr>
<td>System Safety Assessment for Commercial Aircraft Aviation</td>
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</tbody>
</table>

*COMBINE COURSES: Save 20% when you combine Complex Electronic Hardware Development and DO-254 and Integrated Modular Avionics (IMA) and DO-297.
IN-PERSON COURSE INFORMATION

Visit each program’s website listed below for details on the course venue, accommodation options, course descriptions, registration information and other relevant information.

**SEATTLE, WASHINGTON**
DoubleTree by Hilton Seattle Airport Southcenter
March 28 - April 1, 2022
Just announced! April 17-21, 2023
LPE.ku.edu/aero-seattle

**KANSAS CITY METRO**
KU Edwards Campus
Overland Park, Kansas
April 25-29, 2022
LPE.ku.edu/aero-kc

**SAN DIEGO, CALIFORNIA**
San Diego Marriott
Mission Valley
September 19-23, 2022
LPE.ku.edu/aero-sandiego

**ORLANDO, FLORIDA**
B Resort
Disney Springs
October 17-21, 2022
LPE.ku.edu/aero-orlando

**Health and safety information**
We prioritize your health and safety. Visit the sites linked above for specific COVID-19 safety precautions.

**Lodging**
A limited number of rooms will be available at the course venue or nearby hotel for attendees to book lodging at a discounted rate. For rate information and booking instructions, visit the program’s website.

**International travelers**
Are you planning to attend one of our courses in the United States but are not a U.S. citizen? Please visit travel.state.gov for visa and travel information.

**COURSE REGISTRATION FEES**

<table>
<thead>
<tr>
<th>CLASS LENGTH</th>
<th>IN-PERSON COURSE</th>
<th>ONLINE COURSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-day class</td>
<td>$895/$945*</td>
<td>N/A</td>
</tr>
<tr>
<td>3-day class</td>
<td>$1,895/$1,995*</td>
<td>$1,795/$1,895*</td>
</tr>
<tr>
<td>4-day class</td>
<td>$2,195/$2,395*</td>
<td>$1,895/$2,095*</td>
</tr>
<tr>
<td>5-day class</td>
<td>$2,495/$2,695*</td>
<td>$2,195/$2,395*</td>
</tr>
</tbody>
</table>

* Save up to $200 on the course registration fee when you register and pay at least 45 days in advance for in-person courses, and seven or more days in advance for online courses.

**DISCOUNTS**

⭐ **U.S. Federal Employee discount**
All courses are available to U.S. federal employees at 10% off the registration fee. To receive the federal employee discount, you must enter the code FGVT116 on the registration form or during the online checkout process.

🌟 **Netherlands Defence Academy Discount**
All courses are available to Netherlands Defence Academy employees at a discounted registration fee. Please contact the NDA Procurement and Contracting department for details. You cannot register using our online system when requesting this discount.

🔥 **Canada Department of National Defence Discount**
Most courses are available to Canada DND employees at 10% off the registration fee. Please contact the DND Procurement Authority (DAP 2-3) for details. Please note you cannot register using our online system when requesting this discount.
CERTIFICATES OF SPECIALIZATION

Certificates of Specialization are for those who desire concentrated study in a specific area of interest. Achieving a Certificate of Specialization demonstrates to employers, coworkers and the aerospace industry that you are qualified, competent and current in your field. Complete four courses within one of the following nine specializations to earn a certificate:

- Aerospace Compliance (AC)
- Aircraft Design (AD)
- Aircraft Maintenance and Safety (AMS)
- Aircraft Structures (AS)
- Avionics and Avionic Components (AAC)
- Electromagnetic Effects (EME)
- Electrical Wiring Interconnected System (EWIS)
- Flight Tests and Aircraft Performance (FT)
- Unmanned Aircraft (UA)

Visit LPE.ku.edu/aero-certificate for more information on Certificates of Specialization and required courses.

HOW TO REGISTER

To Register Online
Visit www.enrole.com/kupce or scan the QR code.

Register By Mail
- Download the registration form (PDF) from our website or fill out the form on Page 39 of this catalog.
- Complete the form and attach a check or money order payable to University of Kansas. Please reference LPE on your check.
- Mail the form and payment to:
  KU Lifelong & Professional Education Contact Center
  12600 Quivira Road
  Overland Park, KS 66213 USA

Register By Phone
Please contact us at 913-897-8530.

Payment
All fees are payable in U.S. dollars and due upon registration.

Payment by credit card
Online registrations must be paid by credit card. KU accepts MasterCard, VISA, Discover and American Express.

Payment by check (personal or company check) or money order
Please mail your registration form and a check or money order in U.S. dollars to the address listed above. Make your check or money order payable to “The University of Kansas”. Please reference LPE on the check. A $30 fee will be charged for returned checks.

Payment by purchase order or wire transfer
KU Lifelong & Professional Education requires payment upon registration. If your organization requires use of a purchase order before payment is issued or must pay by wire transfer, please contact us at LPE@ku.edu. Please note that to receive the Early Registration Discount, full payment will be required before the early registration deadline as listed on each course page.

Visit LPE.ku.edu/aero-registration for more registration details and policies.
WE’RE BACK!

Join us for face-to-face courses:
• Seattle 2022
• Kansas City 2022
• San Diego 2022
• Orlando 2022
• Seattle 2023

Register today at aeroshortcourses.ku.edu!