

A wide-angle photograph of the Moscow Kremlin and the Moscow River at sunset. The Kremlin's red brick walls and towers, including the Spasskaya Tower with its green roof and red star, are prominent. The golden domes of the Kremlin's churches are visible. The Moscow River flows in the foreground, reflecting the warm orange and yellow light of the setting sun. A bridge crosses the river in the middle ground. The sky is filled with soft, colorful clouds.

SUMMER SCHOOL MAI -2021

Online version

Summer School Content

2021

Online summer courses



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MAI



Summer Aviation Engineers



1. Additive manufactory school. 3D manufactory science (Basic course)

2. Additive manufactory school Additive design and production (New professional course)

The main objective of this school is to study the foundations of additive technologies (in Basic course) and then level up all the knowledge in professional course. You will get overview technical knowledge about additive manufacturing science for nowadays

3. International quality academy Aircraft production design and quality management (New special course)

A special program of additional professorial education that considers aspects of the design and production of aircraft from the point of view of quality on the example of civil aviation advanced products.

Three programs - only in 2021 - for your choice

Additive manufactory school

Additive manufactory school 3D manufactory science (Basic course)



Duration: 2d of July – 10th of July

Day 1 (2d of July) – Receiving logins and passwords to the online education system

Day 02 (5th of July)

09:30 – Opening Ceremony
10:00 – Intro additive technologies
11:00 – Lecture Task 1
13:00 – Break
14:30 – Review to the russian restaurant

Day 03 (6th of July)

08:00 – Online Excursion to Red Square
10:00 – Lecture of Russian Language
11:00 – Break
12:00 – Video of russian recipe

Day 04 (7th of July)

10:00 – Check for Task 1
11:00 – Lecture Task 2
11:30 – Review of 3D printers
12:00 – Break
13:00 – Review to the russian restaurant

Day 05 (8th of July)

09:00 – Lecture in MAI labs
10:00 – Russian History
11:00 – Russian Culture
12:00 – Break
12:30 – Video of russian recipe

Day 06 (9th of July)

10:00 – Check for Task 2
11:00 – Lecture Task 3
10:00 – Lecture of Economics in field of 3D manufacturing
12:30 – Break
13:00 – Video review to the Russian restaurant

Day 7 (10th of July)

10:00 – Check for Task 3
11:00 – Total overview for the course
11:30 – Awarding ceremony
12:00 – Online piano concert “The Great Russian composers”

Additive manufactory school

Additive design and production (New professional course)



Duration: 12th of July – 20th of July

Day 01 (9th of July) – Receiving logins and passwords to the online education system

Day 02 (12th of July)

09:30 – Opening Ceremony
10:00 – Introduction to Computer-Aided Design
11:00 – Instruments of Part Design
12:00 – Introduction to PLM system
13:00 – Break

Day 03 (13th of July)

09:00 – Advanced part design. Vol. 1
10:00 – Advanced part design. Vol. 2
11:30 – Break
12:00 – Lecture Digital Mock-up 1

Day 04 (14th of July)

09:00 – Lecture Economics 1
10:00 – Lecture Economics 2
11:30 – Break
12:00 – Lecture Digital Mock-up 2

Day 05 (15th of July)

09:00 – Design for Additive Manufacturing (DfAM)
10:00 – Design Workshop
11:00 – Break
12:00 – Lecture Digital Mock-up 3

Day 06 (16th of July)

09:00 – Preprocessing of Additive Manufacturing
10:00 – Technology Workshop
11:00 – Excursion to Innovation Labs

Day 07 (17th of July)

Free day

Day 08 (18th of July)

Free day

Day 9 (19th of July)

09:00 – Lecture Economics 3
10:00 – Technology Workshop
11:00 – Final assessment

Day 10 (20th of July)

10:00 – Modern Additive Manufacturing
11:30 – Awarding ceremony

International quality academy

Aircraft production design and quality management (New special course)



Duration: 21th of July – 28th of July

Day 01 (20th of July) - Receiving logins and passwords to the online education system

Day 02 (21th of July)

09:30 – Opening Ceremony
10:00 – Introduction to quality 1
11:00 – Intro to production 1

Day 03 (22th of July)

09:00 – Lecture production 2
10:00 – Lecture production 3
11:00 – Lecture quality 2
12:00 – Break
13:00 – Dance class

Day 04 (23th of July)

09:00 – Lecture production 4
10:00 – Q&A Session
11:30 – Break
12:00 – Intro Advanced production 1

Day 05 (24th of July)

09:00 – Lecture advanced production 2
10:00 – Excursion in MAI Labs
11:00 – Dance class

Day 06 (25th of July)

Free day

Day 07 (26th of July)

09:00 – Lecture advanced production 3
11:00 – Q&A session
12:00 – Lecture quality 3
13:00 – Dance class

Day 8 (27th of July)

09:00 – Lecture quality 4
10:00 – Lecture quality 5
11:00 – Q&A session
12:00 – Lecture advanced production 4

Day 9 (28th of July)

10:00 – Final workshop quality + production
12:30 – Awarding ceremony
14:00 – Ballet concert

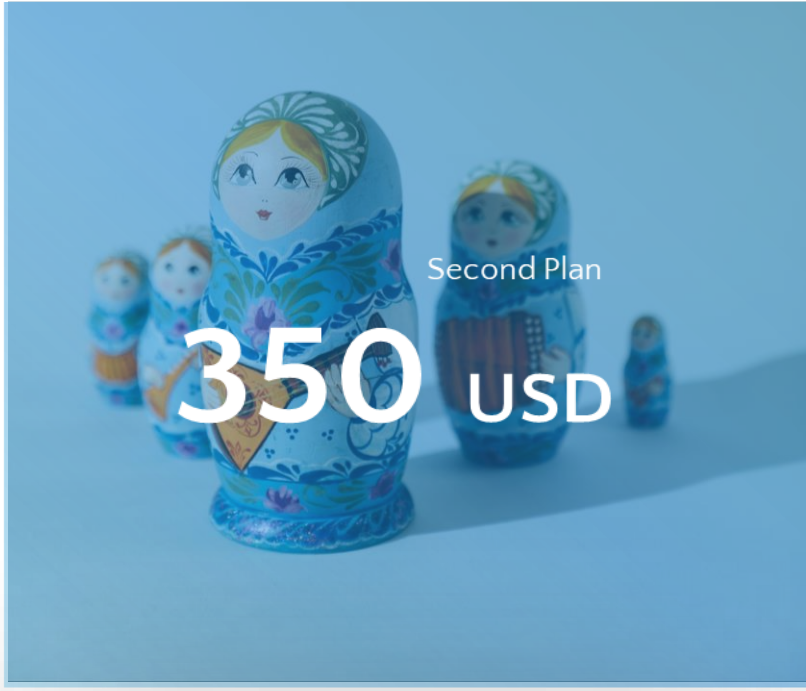
A set of five colorful Russian matryoshka dolls of increasing size, arranged in a line. The dolls are painted with traditional patterns and faces.

First Plan

200 USD

Includes

- ✓ Any 1 educational program
- ✓ 1 Official certificate
- ✓ Entertainment - education
- ✓ Best professors and practices
- ✓ 24/7 support

A set of five colorful Russian matryoshka dolls of increasing size, arranged in a line. The dolls are painted with traditional patterns and faces.

Second Plan

350 USD

Includes

- ✓ Any 2 educational programs
- ✓ 2 Official certificates
- ✓ Entertainment - education
- ✓ Best professors and practices
- ✓ 24/7 support

A set of five colorful Russian matryoshka dolls of increasing size, arranged in a line. The dolls are painted with traditional patterns and faces.

Best Plan

450 USD

Includes

- ✓ All inclusive programs
- ✓ 3 Official certificates
- ✓ Entertainment - education
- ✓ Best professors and practices
- ✓ 24/7 support