



1
00:00:00,506 --> 00:00:08,316
[Music]

2
00:00:08,816 --> 00:00:14,196
Hi, I'm Sydney Schnulo, and I'm
a research aerospace engineer

3
00:00:14,286 --> 00:00:17,666
at the NASA Glenn Research
Center in Cleveland Ohio.

4
00:00:17,836 --> 00:00:20,396
NASA Glenn has been
pushing the boundaries

5
00:00:20,996 --> 00:00:25,776
of aeronautics since 1941.

6
00:00:25,956 --> 00:00:31,166
In its early days, the Center
aided our nation during World

7
00:00:31,366 --> 00:00:35,096
War II by helping to
solve problems related

8
00:00:35,096 --> 00:00:39,536
to aircraft engine
performance and aircraft icing.

9
00:00:39,576 --> 00:00:43,076
Since 1958, as part of NASA,

10
00:00:43,076 --> 00:00:45,346
the Center has been
solving challenges

11
00:00:45,776 --> 00:00:48,406
to help us land humans on the

Moon and to work in space.

12

00:00:48,436 --> 00:00:49,786

Today, NASA and the Glenn
Research Center are facing new

13

00:00:49,816 --> 00:00:51,076

challenges as we travel
to destinations farther

14

00:00:51,106 --> 00:00:51,766

out into our solar system,

15

00:00:51,796 --> 00:00:52,996

and develop new aircraft
propulsion systems

16

00:00:53,026 --> 00:00:54,316

that will help make air
travel cleaner, safer, faster,

17

00:00:54,346 --> 00:00:54,976

and more efficient on Earth.

18

00:00:55,046 --> 00:00:57,116

And that's where
we need your help.

19

00:00:57,116 --> 00:01:00,016

NASA's University Student
Design Challenge gives full-time

20

00:01:00,016 --> 00:01:02,266

undergraduate college
students, in their sophomore

21

00:01:02,416 --> 00:01:05,476

through senior years,
the opportunity to work

22

00:01:06,206 --> 00:01:14,216

with top NASA experts and make meaningful contributions to some

23

00:01:14,216 --> 00:01:15,776

of NASA's most exciting work.

24

00:01:15,936 --> 00:01:19,496

You'll create a multi-disciplinary team

25

00:01:19,496 --> 00:01:22,696

that will develop an aeronautics concept

26

00:01:22,696 --> 00:01:25,836

for our next generation of commuter aircraft.

27

00:01:25,956 --> 00:01:30,026

Students on your team can major in areas, such as science,

28

00:01:30,056 --> 00:01:30,956

technology, engineering, mathematics,

29

00:01:30,986 --> 00:01:32,186

as well as economics, marketing, graphic arts

30

00:01:32,216 --> 00:01:33,536

or other disciplines that will support the successful

31

00:01:33,566 --> 00:01:34,976

development of your team's aeronautics design concept.

32

00:01:35,096 --> 00:01:36,556

You'll work under
the supervision

33

00:01:36,556 --> 00:01:39,376

of a college advisor
and a NASA mentor.

34

00:01:39,426 --> 00:01:42,056

And you'll compete against other
college teams to create a design

35

00:01:42,056 --> 00:01:44,876

for a next generation
air vehicle

36

00:01:45,056 --> 00:01:53,426

that will help integrate
aeronautics into commuter travel

37

00:01:53,526 --> 00:01:55,316

in metropolitan areas.

38

00:01:55,316 --> 00:02:00,536

Your design must focus on
NASA Glenn's core competencies

39

00:02:00,536 --> 00:02:03,146

and take into consideration
factors, such as:

40

00:02:03,386 --> 00:02:06,126

energy consumption,
noise, emissions, cost,

41

00:02:06,236 --> 00:02:07,766

alternative energy, and safety.

42

00:02:07,876 --> 00:02:10,606

Concepts should exploit

the merits

43

00:02:10,746 --> 00:02:13,946
of mass-transit while
affording mobility,

44

00:02:14,236 --> 00:02:15,836
rather than personal
transportation.

45

00:02:15,936 --> 00:02:19,036
For a complete list of
project requirements be sure

46

00:02:19,066 --> 00:02:20,326
to attend the mandatory
virtual Kick-off meetings

47

00:02:20,356 --> 00:02:21,046
in December and January.

48

00:02:21,076 --> 00:02:21,976
You can also visit
us on the web.

49

00:02:22,136 --> 00:02:23,876
I look forward to seeing the
designs that your teams create

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00:02:24,296 --> 00:02:27,206
in helping us fuel our next
generation of air vehicles.

51

00:02:27,206 --> 00:02:30,916
Thanks for being a part of
the NASA team and good luck.