1
00:00:00,600 --> 00:00:05,480
[Music]

2
00:00:05,920 --> 00:00:10,240
>>My name is Becky Flick, and I'm the student coordinator at NASA Armstrong Flight Research

3
00:00:10,250 --> 00:00:11,250
Center.

4
00:00:11,250 --> 00:00:13,900
Here at NASA Armstrong, we fly airplanes.

5
00:00:13,900 --> 00:00:16,880
[Airplane taking off]

6
00:00:16,880 --> 00:00:20,180
We have airplanes ranging from a 747 called SOFIA,

7
00:00:20,189 --> 00:00:25,560
which is the world's largest flying observatory, to experimental airplanes, such as X-56 and

8
00:00:25,560 --> 00:00:29,960
PRANDTL, with just a 25 foot wingspan.

9
00:00:29,960 --> 00:00:34,620
NASA Armstrong is located in Southern California on Edwards Air Force Base.

10
00:00:34,620 --> 00:00:38,980
Right outside our backdoor is over three hundred thousand acres of space that we share with

11
00:00:38,980 --> 00:00:39,980
the Air Force.

12

00:00:39,980 --> 00:00:45,320
This includes twelve thousand square miles
of test range and a supersonic corridor.

13
00:00:45,320 --> 00:00:50,160
The perfect environment for aeronautical and space technologies research.

14
00:00:50,160 --> 00:00:53,280
[Jet aircraft taking off]

15
00:00:53,280 --> 00:00:57,900
The work we do at NASA Armstrong aligns with
the NASA mission directorates.

16
00:00:57,900 --> 00:01:01,180
This includes the aeronautics research directorate,

17
00:01:01,180 --> 00:01:04,900
[Music/Background noise]

18
00:01:04,900 --> 00:01:06,820
the science mission directorate,

19
00:01:06,820 --> 00:01:11,840
[Music/Background noise]

20
00:01:11,840 --> 00:01:14,980
and the space technology mission directorate.

21
00:01:14,980 --> 00:01:23,400
[Music/Background noise]

22
00:01:23,440 --> 00:01:28,340
Students have the opportunity to work side-by-side
with NASA engineers to contribute to the NASA

23
00:01:28,340 --> 00:01:30,280
mission.

24
00:01:30,280 --> 00:01:36,520
We match your academics and interests to find
the right hands-on experience.

25
00:01:36,520 --> 00:01:44,420
[Jets flying]

26
00:01:44,420 --> 00:01:49,200
We have students working on the F-15s and
the F-18s, which are support and research

27
00:01:49,200 --> 00:01:52,200
vehicles at the Center...

28
00:01:52,200 --> 00:01:55,680
...supporting unmanned
aerial systems' integration into the national

29
00:01:55,680 --> 00:02:00,480
airspace- learning how to safely fly autonomous
drones...

30
00:02:00,480 --> 00:02:02,640
...studying exciting new technologies

31
00:02:02,640 --> 00:02:06,420
such as fiber optic sensing system, or FOSS...

32
00:02:06,420 --> 00:02:09,420
...working on experimental airplanes, such as

33
00:02:09,420 --> 00:02:12,020
X-56 and PRANDTL, studying wing design...

34
00:02:12,020 --> 00:02:15,140
...and we also have students supporting X-57- researching

35
00:02:15,200 --> 00:02:16,680

electric propulsion.

36
00:02:16,680 --> 00:02:19,180
[Music/Background noise]

37
00:02:19,180 --> 00:02:24,660
We place students in our laboratories, such
as the flight loads lab, the simulations lab,

38
00:02:24,660 --> 00:02:30,260
and the small unmanned aerial systems lab...these
areas all contribute to keeping our vehicles

39
00:02:30,260 --> 00:02:33,060
and pilots safe.

40
00:02:33,060 --> 00:02:34,600
[Jet taking off]

41
00:02:34,600 --> 00:02:40,200
Our research activities reflect NASA's
vision to transform aviation.

42
00:02:40,200 --> 00:02:43,380
[Music/Background noise]