

WSU AIAA Aerospace Club 2019-2020

Rocket Team Timeline

September

- 9/1-9/7
 - Team introductions
 - Initial payload concepts
- 9/8-9/14
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- 9/15-9/21
 - Assign sub-team members (9/16)
 - Select sub-team leads (9/20)
 - Projects
 - Initial concept for exterior structure to use in OpenRocket (9/22)
 - Avionics bay concept (9/23)
 - Payload holder concept (9/23)
- 9/22-9/28
 - Check to see where progress is on above elements
 - Projects
 - CFD/FEA on rocket body (9/30)
 - Design ergonomic E-bay
 - Design air brake – send files of previous work (9/30)
 - Concept for drone payload – something to put in sub-scale rocket (9/30)
- 9/29-10/5
 - Entry application for Spaceport due (10/4)
 - Projects
 - CFD/FEA air brake (10/4)
 - Build prototype air brake (10/11)

October

- 10/6-10/12
 - Refine design for air brake (10/14)
- 10/13-10/19
 - Acceptance announcement for Spaceport (10/14)
 - Finish rocket design (10/19)
- 10/20-10/26
 -
- 10/27-11/2
 - Finish Construction 11/1

November

- 11/3-11/9
 -
- 11/10-11/16
 - Evaluate data from first sub-scale launch

- Begin working on second sub-scale launch
- 11/17-11/23
 -
- 11/24-11/30
 -

December

- 12/1-12/7
 -
- 12/8-12/14
 - Submit 1st progress update for Spaceport (12/13)
 - \$200 Entry deposit fee due for Spaceport (12/13)

January

- 1/5-1/11
 -
- 1/12-1/18
 -
- 1/19-1/25
 -
- 1/26-2/1
 -

February

- 2/2-2/8
 -
- 2/9-2/15
 -
- 2/16-2/22
 -
- 2/23-2/29
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March – second sub-scale launch

- 3/1-3/7
 - Submit 2nd Progress update for Spaceport (3/6)
- 3/8-3/14
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- 3/15-3/21
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- 3/22-3/28
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- 3/29-4/4
 -

April

- 4/5-4/11
 -
- 4/12-4/18
 -
- 4/19-4/25
 - Entry fee no longer refundable (4/24)
 - Payment deadline for \$500 rocket fee (4/24)
 - Payment deadline for \$50 individual rocketeer fee (4/24)
- 4/26-5/2
 -

May

- 5/3-5/9
 -
- 5/10-5/16
 - Submit 3rd progress update (5/15)
 - Submit project technical report (5/15)
 - Submit poster session materials (5/15)
 - Submit podium session materials (5/15)
 - Submit school participation letter (5/15)
 - Submit Spaceport America Cup waiver and release of liability form (5/15)
- 5/17-5/23
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- 5/24-5/30
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June

- 5/31-6/6
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- 6/7-6/13
 -
- 6/14-6/20
 - Rocketeer check-in (6/15)
 - Conference day podium and poster sessions (6/16)
 - Group photo (6/16)
 - Launch preparations and design implementation evaluation (6/17)
 - Early launch opportunity for solid motors (6/17)
 - Launch day (6/18)
 - Launch day (6/19)
 - Final launch day (6/20)
 - Awards ceremony (6/20)