

CubeSat Senior Design

Oct 20, 2015

University of Minnesota

<https://github.com/HASP-UMN/CubeSat>

Project manager

Project dates

Sep 21, 2015 - Feb 7, 2017

Completion

2%

Tasks

43

Resources

0

This is the project timeline for a two year implementation of the Design build fly started by the 2015-16 UMN Aerospace Senior Design.

CubeSat Project
Senior Design Team
University of Minnesota

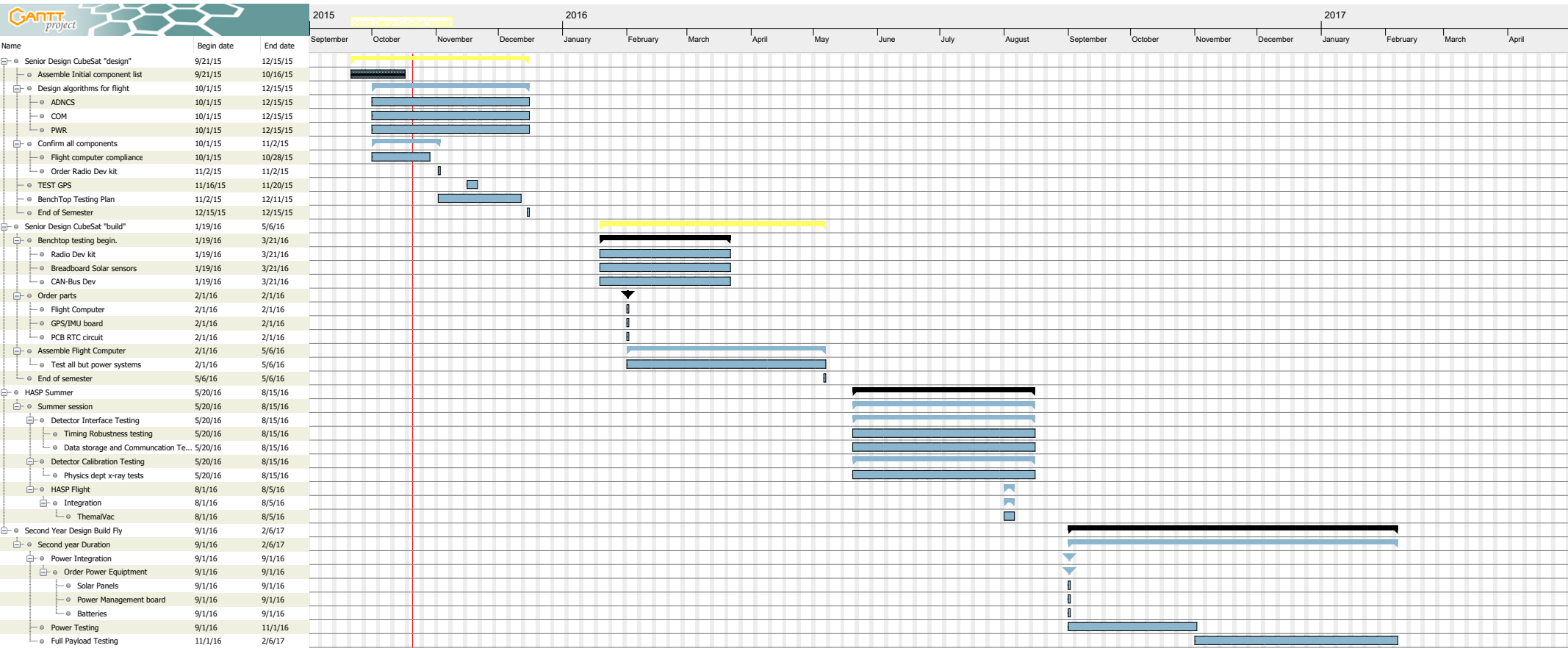
Tasks

Name	Begin date	End date
Senior Design CubeSat "design"	9/21/15	12/15/15
Assemble Initial component list	9/21/15	10/16/15
Design algorithms for flight	10/1/15	12/15/15
ADNCS	10/1/15	12/15/15
COM	10/1/15	12/15/15
PWR	10/1/15	12/15/15
Confirm all components	10/1/15	11/2/15
Flight computer compliance	10/1/15	10/28/15
Order Radio Dev kit	11/2/15	11/2/15
TEST GPS	11/16/15	11/20/15
BenchTop Testing Plan	11/2/15	12/11/15
End of Semester	12/15/15	12/15/15
Senior Design CubeSat "build"	1/19/16	5/6/16
Benchtop testing begin.	1/19/16	3/21/16
Radio Dev kit	1/19/16	3/21/16
Breadboard Solar sensors	1/19/16	3/21/16
CAN-Bus Dev	1/19/16	3/21/16
Order parts	2/1/16	2/1/16
Flight Computer	2/1/16	2/1/16
GPS/IMU board	2/1/16	2/1/16
PCB RTC circuit	2/1/16	2/1/16
Assemble Flight Computer	2/1/16	5/6/16
Test all but power systems	2/1/16	5/6/16
End of semester	5/6/16	5/6/16
HASP Summer	5/20/16	8/15/16
Summer session	5/20/16	8/15/16
Detector Interface Testing	5/20/16	8/15/16

Tasks

Name	Begin date	End date
Timing Robustness testing	5/20/16	8/15/16
Data storage and Communcation Testing	5/20/16	8/15/16
Detector Calibration Testing	5/20/16	8/15/16
Physics dept x-ray tests	5/20/16	8/15/16
HASP Flight	8/1/16	8/5/16
Integration	8/1/16	8/5/16
ThemaIVac	8/1/16	8/5/16
Second Year Design Build Fly	9/1/16	2/6/17
Second year Duration	9/1/16	2/6/17
Power Integration	9/1/16	9/1/16
Order Power Equipment	9/1/16	9/1/16
Solar Panels	9/1/16	9/1/16
Power Management board	9/1/16	9/1/16
Batteries	9/1/16	9/1/16
Power Testing	9/1/16	11/1/16
Full Payload Testing	11/1/16	2/6/17

Gantt Chart



Resources Chart

