

# Rascal Senior Desgin

Jan 24, 2014

## SSRL

<https://sites.google.com/a/slu.edu/aeng-senior-design/team-websites/rascal>

Project managers:

Dates:

Aug 26, 2013 - May 17, 2014

Complete:

0%

Tasks:

40

People:

0

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GANTT Chart for Rascal Senior Design Project 1st and 2nd semester

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## Tasks

Name	Begin date	End date
System Concept Review Phase	8/26/13	10/14/13
System Requirement Review Phase	10/16/13	10/31/13
Preliminary Design Review Phase	11/1/13	12/6/13
Critical Design Review Phase	1/13/14	5/16/14
System Concept Review (SCR)	10/15/13	10/15/13
First RFP Update	10/7/13	10/14/13
Draft Alternative Mission Trade Study	10/7/13	10/14/13
Finish Preliminary Mission Success Criteria	10/12/13	10/14/13
Create Rendezvous Delta V Calculations	10/12/13	10/14/13
Final RFP Revision	10/24/13	10/24/13
Systems Requirements Review (SRR)	11/11/13	11/11/13
Full Mission Success Criteria Checklist	10/26/13	11/10/13
Second Revision of Delta V Calculations	10/27/13	11/10/13
Second Revision of Alternative Mission Trade Studies	10/27/13	11/10/13
Preliminary CONOPS Plan	11/1/13	11/10/13
CONOPS Success Checklist	11/1/13	11/10/13
Event Timeline Plan	10/26/13	11/10/13
Mission Success Criteria Checklist Second Revision	11/11/13	11/26/13
CONOPS Second Revision	11/11/13	11/19/13
Event Time Line Plan Second Revision	11/11/13	11/19/13
Final Mission Success Criteria Checklist	11/11/13	11/26/13
Final Report Documentation Process	10/13/13	12/5/13
Preliminary Design Review (PDR)	12/6/13	12/6/13

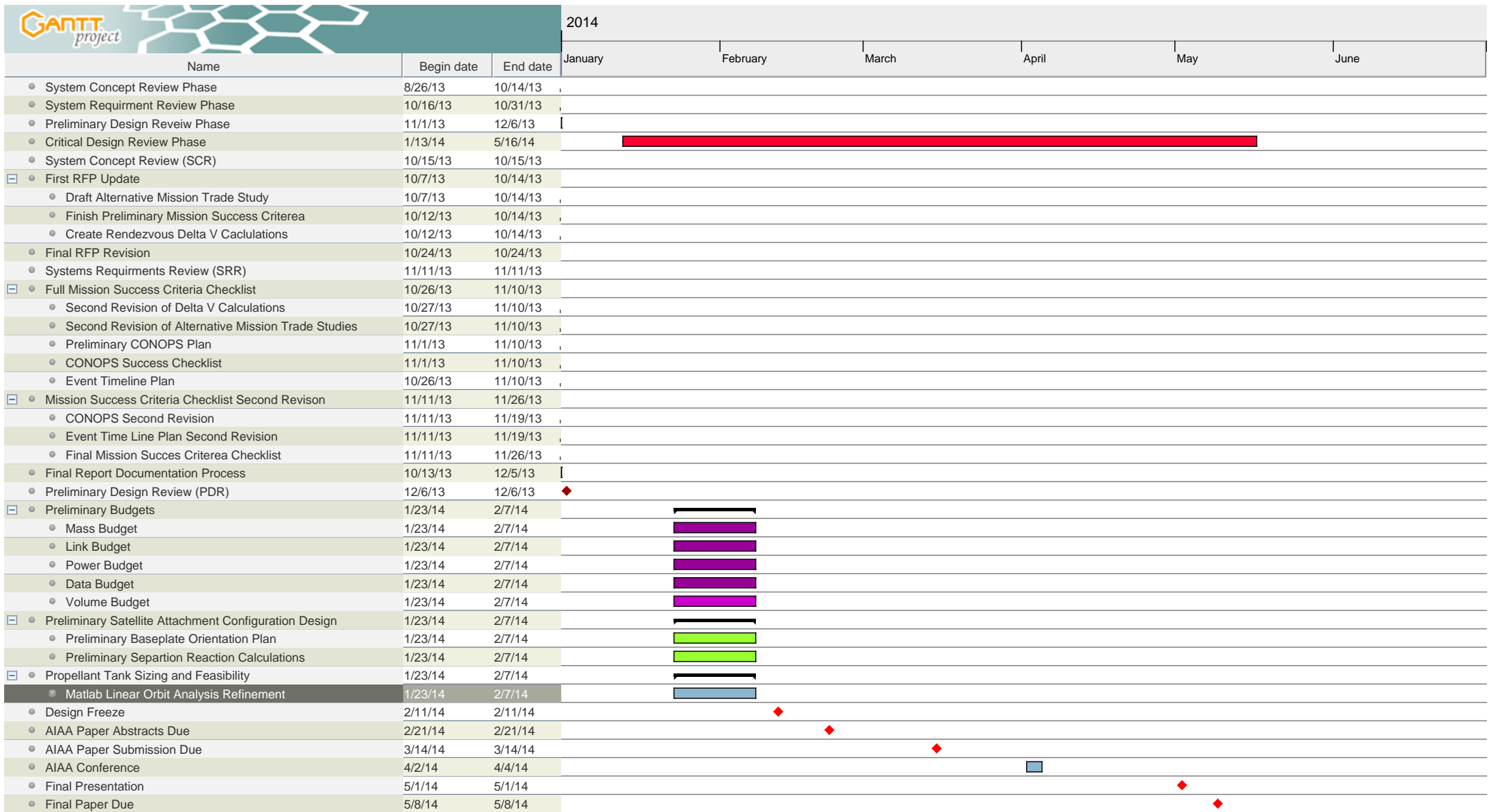
Includes mass budgets, advanced CONOPS, configuration designs, etc.

## Tasks


Name	Begin date	End date
Preliminary Budgets	1/23/14	2/7/14
Mass Budget	1/23/14	2/7/14
Link Budget	1/23/14	2/7/14
Power Budget	1/23/14	2/7/14
Data Budget	1/23/14	2/7/14
Volume Budget	1/23/14	2/7/14
 Preliminary Satellite Attachment Configuration Design	1/23/14	2/7/14
Preliminary Baseplate Orientation Plan	1/23/14	2/7/14
Preliminary Separtion Reaction Calculations	1/23/14	2/7/14
 Propellant Tank Sizing and Feasibility	1/23/14	2/7/14
Matlab Linear Orbit Analysis Refinement	1/23/14	2/7/14
 Design Freeze	2/11/14	2/11/14
AIAA Paper Abstracts Due	2/21/14	2/21/14
AIAA Paper Submission Due	3/14/14	3/14/14
AIAA Conference	4/2/14	4/4/14
Final Presentation	5/1/14	5/1/14
Final Paper Due	5/8/14	5/8/14

## Gantt Chart

4



Resources Chart

		2014					
Name	Default role	January	February	March	April	May	June