

Advisr

Week 6 | Lo-fi Prototyping



Aditi, Matthew, Radha, and Anna



Flow

Value Proposition

Tasks

Revised Interface

Med-Fi Prototype

Prototype Overview



Value Proposition

Problem: Students planning their course schedules are often confused which classes fulfill their requirements, satisfy their long-term learning goals, and fit in their schedules.

Solution: Advisr equips students with the best four-year plan to accomplish their goals. It helps students optimize classes based on interests, track multiple academic tracks, and easily generates 4 year plans.

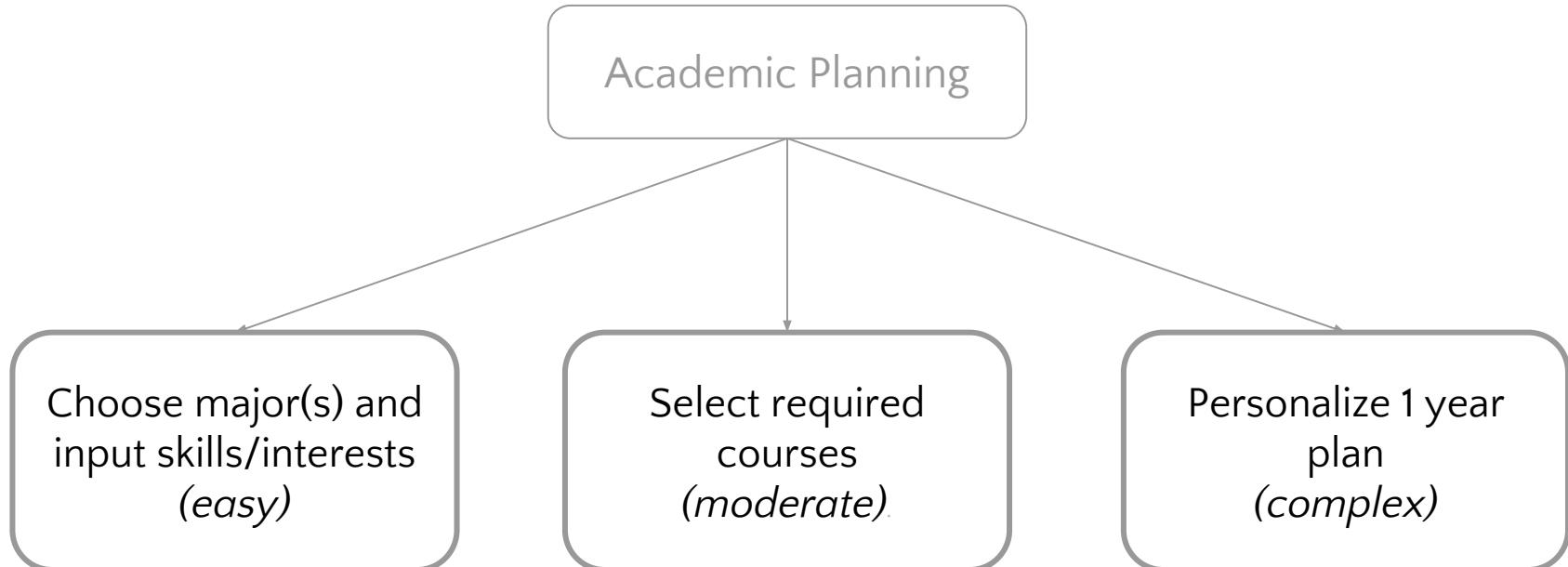
Task Flows

1





Our Tasks



**Note: this was revised last week. Rationale found in Week 5 write up*

Revised Interface Design

2

The screenshot shows the Marvel app interface. At the top, there's a toolbar with icons for Insert, Group, Ungroup, Create Symbol, Edit, Transform, Rotate, Flatten, Mask, Scale, Union, Subtract, and a search bar set at 8%. Below the toolbar is a header with the Marvel logo and buttons for Sync Selected and Sync All. The main area is divided into two sections: a sidebar on the left and a canvas on the right.

Sidebar (Pages):

- Login
- Login final
- Stanford secure
- Onboarding** (selected)
- Dashboard
- Requirements

Canvas:

The canvas displays a grid of wireframes for the Onboarding section. The columns represent different screens:

- 1) First Screen
- 2) First Screen
- 3) Sec...Path B
- 4) Sec...Path B
- 5) Sec...B Copy
- 6) Sec...B Copy
- 7) Third Screen Interests Copy 2
- 8) Third Screen Interests Copy
- 9) Third Screen Interests
- 10) Third Screen Interests
- 11) Third Screen Interests
- 12) Second Screen Path B Copy
- 13) Second Screen Path B Copy 2
- 14) Second Screen Path B Copy

The vertical axis on the right indicates the height of the wireframes, ranging from 0 to 4,960 pixels.

Lo-fi Prototype Revisions



Revision 1

Ability to toggle between 1-week, 1-year and 4-year plans



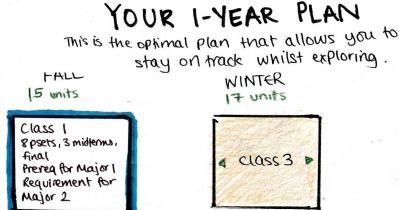
Jane



HOME



EQUIREMENTS



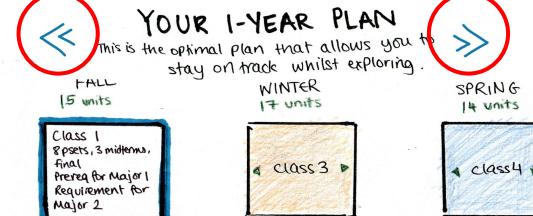
Jane



HOME



EQUIREMENTS





Revision 2

Make dashboard tiles clickable

Jane

HOME

PLANS

REQUIREMENTS

YOUR PROGRESS REPORT

OVERALL:

- 40 UNITS COMPLETE
- 140 UNITS NOT COMPLETE
- 14 AVG UNITS/QUARTER NEEDED

MAJOR 1: 10% COMPLETE, 75 UNITS LEFT

MAJOR 2: 15% COMPLETE, 50 UNITS LEFT

GRS: PWR 1 PWR 2 THINK WAYS: 2/10 COMPLETE

Major 1: Computer Science

Units: 10% complete, 90/100 units

Classes: 15% complete, 7/28 classes

Core Classes:
 CS106a
 CS106b
 CS107
 CS109
 DCS161
 DCS110

Electives:
 Elective 1
 Elective 2
 Elective 3
 Elective 4
 Elective 5
 Elective 6
 Elective 7
Change

DONE

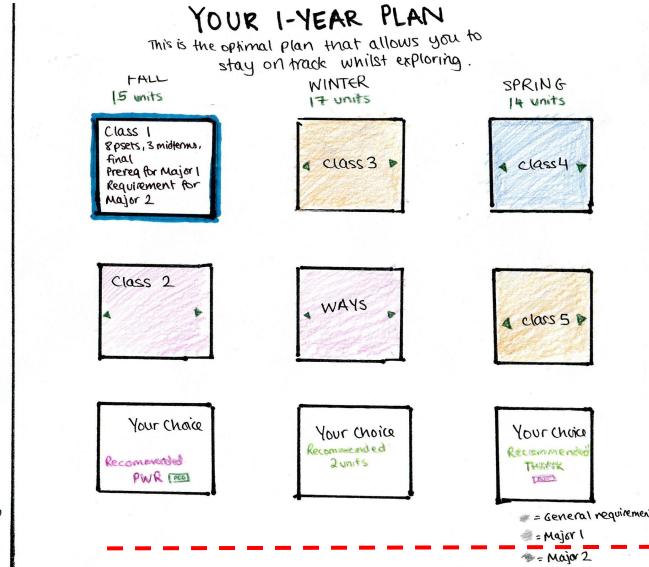


Revision 3

Added an export to Google Calendar functionality (class times, pset due dates, exams)



Jane



UI Revisions



Jane



EQUIREMENTS

YOUR 1-YEAR PLAN
This is the optimal plan that allows you to stay on track whilst exploring.

FALL	WINTER	SPRING
15 units	17 units	14 units
Class 1 8 psets, 3 midterms, final Prereq for Major 1 Requirement for Major 2	Class 3	Class 4

Class 2	WAYS	class 5
Your Choice Recommended PWR (PES)	Your Choice Recommended 2 units	Your Choice Recommended THICKY (PES)

Your Choice Recommended PWR (PES)	Your Choice Recommended 2 units	Your Choice Recommended THICKY (PES)
--------------------------------------	------------------------------------	---

Export to GCal

= General requirement
= Major 1
= Major 2

Medium-fi Task Flows



Med-Fi Flow 1

1



2

Stanford University
Stanford WebLogin

Student ID: Password:

Important Security Information Logging in to WebLogin lets you access other protected Stanford websites with the browser, not just the website you're redirected to.

WEBLOGIN HELP
 ADVANCED SETTINGS

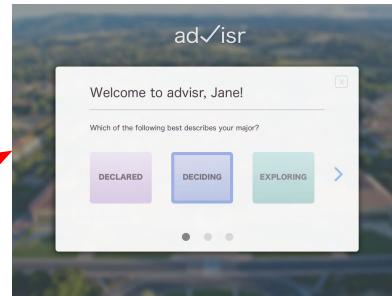
If I use this machine regularly

Login

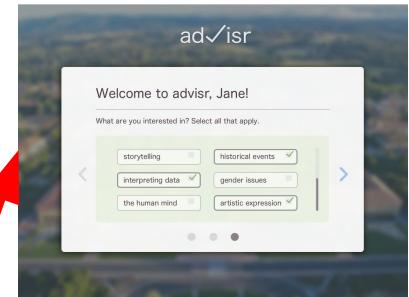
Use of this system is subject to Stanford University's rules and regulations. See the [Stanford Administrative Guide](#) for more information.

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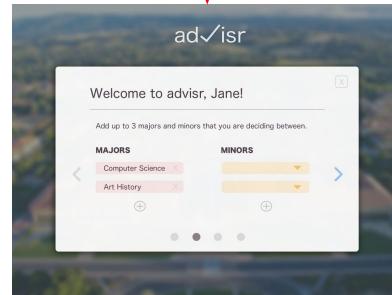
3



5



4





Med-Fi Flow 2

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Your Course Requirements

MAJOR 1 (CS) MAJOR 2 (ARTHIST) GERs

WAYS

All	✓
AQR >	
CE	✓
ED >	
ER	✓
FR >	
SI >	
SMA >	
PWR 1	✓
PWR 2 >	
THINK	✓
LANG	✓

adit P v



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Your Course Requirements

MAJOR 1 (CS) MAJOR 2 (ARTHIST) GERs

WAYS - AQR: Recommended for you

Drag and drop to reorder.

1. Science as a Creative Process	☰ X
2. It IS Rocket Science	☰ X
3. Dawn of the Drones	☰ X
4. Natural Disaster Risk	☰ X

Browse more AQR classes:

+ (plus sign)

adit P v



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Your Course Requirements

MAJOR 1 (CS) MAJOR 2 (ARTHIST) GERs

WAYS - AQR: Recommended for you

Drag and drop to reorder.

1. Dawn of the Drones	☰ X
2. Science as a Creative Process	☰ X
3. It IS Rocket Science	☰ X
4. Natural Disaster Risk	☰ X

Browse more AQR classes:

+ (plus sign)

adit P v



Med-Fi Flow 3

The image displays three screenshots of the advisr mobile application interface, illustrating the transition from a general one-year plan to a specific fall quarter plan.

Screenshot 1: Your One Year Plan (Top Left)

This screen shows a grid of classes for Fall, Winter, and Spring. The Fall section includes CS 109, ARTHIST 130, DRONES 200, and YOUR CHOICE. The Winter section includes CS 103, ARTHIST 172, PWR 2 (A), and YOUR CHOICE. The Spring section includes CS 110, ARTHIST 145, YOUR CHOICE, and YOUR CHOICE. Below the grid are sections for "Required Classes" (with links to CS Major, ArtHist Major, and WAYS) and a "Search for classes" bar. At the bottom, there are three boxes detailing course requirements: "2 finals, 2 projects, 2 weekly PSETs" for Fall, "1 final, 1 project, 1 weekly PSET" for Winter, and "1 final, 1 project, 7 weekly PSETs" for Spring.

Screenshot 2: Your One Year Plan (Top Right)

This screen is identical to the first, showing the same grid of classes and overall structure. A red arrow points from the top left screenshot to this one.

Screenshot 3: Your Fall Q Plan (Bottom Left)

This screen shows the "Your Fall Q Plan: 2017 (CS + ArtHist)" for October. It features a calendar view with days 1 through 31. Specific assignments are highlighted: "due: Pset 2" on October 13, "due: Paper" on October 20, "Pset 3" on October 24, and "EXAM" on October 30. To the right of the calendar is a "Required Classes" list for Fall 2017, which includes CS 109, ARTHIST 130, and DRONES 200. A red arrow points from the top right screenshot down to this one.

Screenshot 4: Your Fall Q Plan (Bottom Right)

This screen is identical to the third, showing the same fall quarter plan and required classes. A red arrow points from the bottom left screenshot to this one.

UI Revisions: Task Flows

Prototype Overview

3

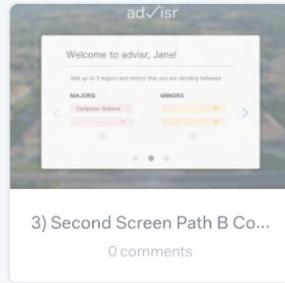
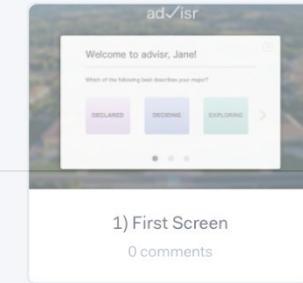
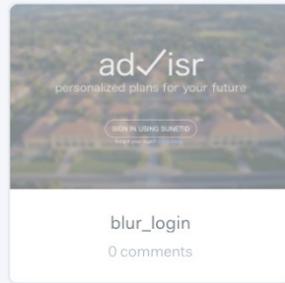
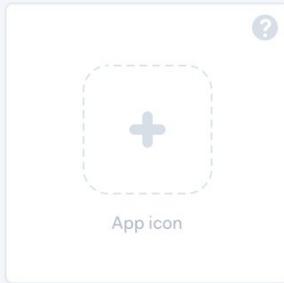
advisr medium-fi prototype

AP



+ Add images

Design



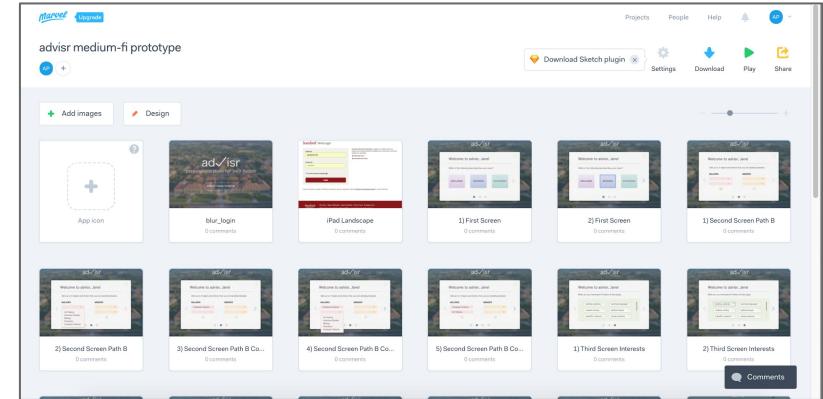
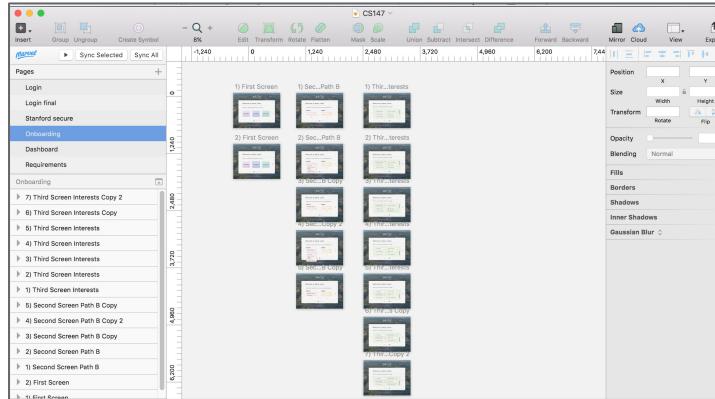
Down



Prototyping Tools

Tools:

We used Sketch to draw up our prototypes, and Marvel to add navigation functionality.





Prototyping Tools

Benefits:

Able to

- + Easily mock up app elements
- + Use hotspots to create realistic interactions

Drawbacks:

Unable to...

- Show 'drag and drop' user action, a key element of our UI



Tradeoffs & Decisions

We decided to....

- + Only choose one user path (a student deciding between a few majors). This would allow us to hone interactions for our most frequent user.
- + Hard code specific majors and paths. Although this eliminates the element of delight that a student might experience, it would be impossible to prototype every such combination.



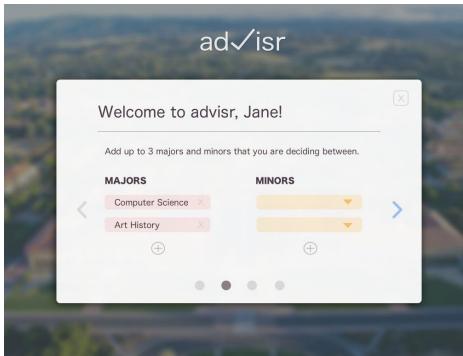
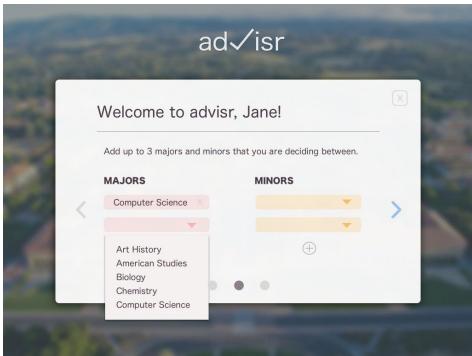
Design Choices

The screenshot shows a user interface titled "Your Course Requirements". At the top, there are three tabs: "MAJOR 1 (CS)", "MAJOR 2 (ARTHIST)", and "GERs". The "MAJOR 1 (CS)" tab is selected. Below the tabs, a message reads: "WAYS - AQR: Recommended for you Drag and drop to reorder." A list of four items is shown, each with a delete icon (three horizontal lines and an 'X'): 1. Science as a Creative Process, 2. It IS Rocket Science, 3. Dawn of the Drones, and 4. Natural Disaster Risk. To the right of the list is a button labeled "Browse more AQR classes:" with a plus sign inside a circle. The overall design is dark-themed with light-colored cards for the course lists.

Wizard-of-Oz'd the AI capabilities by displaying what the UI might look like if we had access to sophisticated technology.

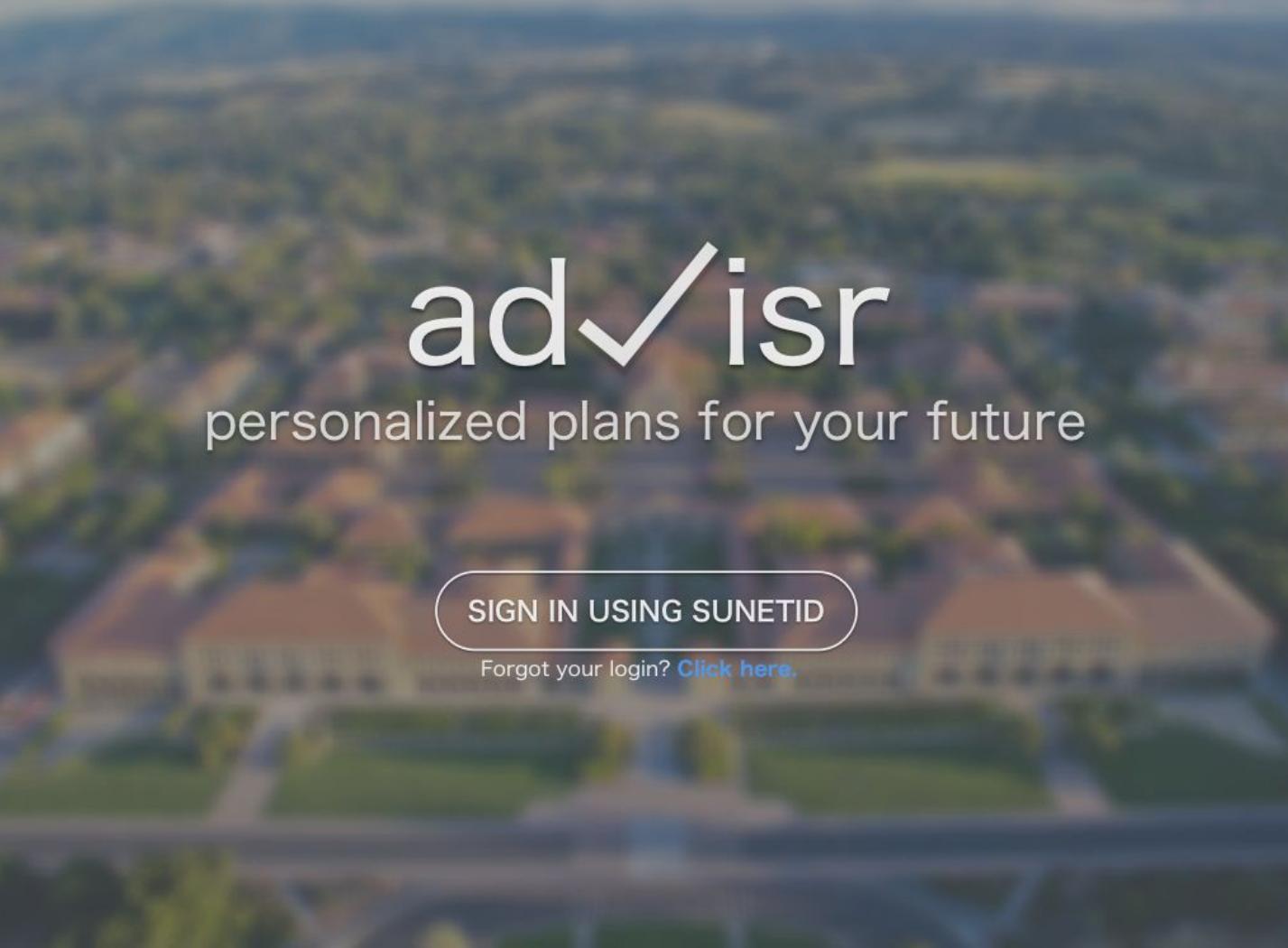


Design Choices



Hard coded user profile as a student considering CS and Art History majors

Additional Prototype Screenshots



ad✓isr

personalized plans for your future

SIGN IN USING SUNETID

Forgot your login? [Click here.](#)

ad✓isr



Welcome to advisr, Jane!

Which of the following best describes your major?

DECLARED

DECIDING

EXPLORING



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Welcome to advisr, Jane!

Add up to 3 majors and minors that you are deciding between.

MAJORS

Computer Science



- Art History
- American Studies
- Biology
- Chemistry
- Computer Science

MINORS



ad✓isr



Welcome to advisr, Jane!

Add up to 3 majors and minors that you are deciding between.

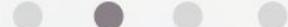
MAJORS

Computer Science X

Art History X



MINORS



ad✓isr

Welcome to advisr, Jane!

What are you interested in? Select all that apply.

storytelling

historical events



interpreting data



gender issues

the human mind

artistic expression





Your Course Requirements

MAJOR 1 (CS)

MAJOR 2 (ARTHIST)

GERs

WAYS

All



AQR



CE



ED



ER



FR



SI



SMA



PWR 1



PWR 2



THINK



LANG





Your Course Requirements

MAJOR 1 (CS)

MAJOR 2 (ARTHIST)

GERs

WAYS - AQR: Recommended for you
Drag and drop to reorder.

1. Science as a Creative Process X

2. It IS Rocket Science X

3. Dawn of the Drones X

4. Natural Disaster Risk X

Browse more
AQR classes:





Your Course Requirements

MAJOR 1 (CS)

MAJOR 2 (ARTHIST)

GERs

WAYS - AQR: Recommended for you
Drag and drop to reorder.

1. Dawn of the Drones X

2. Science as a Creative Process X

3. It IS Rocket Science X

4. Natural Disaster Risk X

Browse more
AQR classes:





Your One Year Plan: 2017-2018

(CS + ArtHist)

Fall	Winter	Spring
CS 109 X	CS 103 X	CS 110 X
ARTHIST 130 X	ARTHIST 172 X	ARTHIST 145 X
DRONES 200 X	PWR 2 (A) X	YOUR CHOICE
YOUR CHOICE	YOUR CHOICE	YOUR CHOICE

2 finals,
2 midterms,
2 weekly PSETS

1 finals,
3 final paper,
1 weekly PSETS

1 finals,
1 final paper,
.7 weekly PSETS

Calendar View

Required Classes

< CS Major >

< ArtHist Major >

< WAYS >

Search for classes



Your One Year Plan: 2017-2018

(CS + ArtHist)

Fall	Winter	Spring
CS 109 X	CS 103 X	CS 107 X
ARTHIST 130 X	ARTHIST 172 X	ARTHIST 145 X
DRONES 200 X	PWR 2 (A) X	YOUR CHOICE
YOUR CHOICE	YOUR CHOICE	YOUR CHOICE

Calendar View

Required Classes

[< CS Major >](#)

[< ArtHist Major >](#)

[< WAYS >](#)

Search for classes

2 finals,
2 midterms,
2 weekly PSETS

1 finals,
3 final paper,
1 weekly PSETS

1 finals,
1 final paper,
.7 weekly PSETS



Your Fall Q Plan: 2017

(CS + ArtHist)



OCTOBER 2017



1	2	3	4	5	6	7
8	9	due: Pset 2	10	11	12	13
15	16	17	18	19	20	21
22	Pset 3	24	25	26	27	28
29	EXAM	30	31			

Calendar View



Required Classes

CS 109 X

ARTHIST 130 X

DRONES 200 X



Search for classes



Your Fall Q Plan: 2017

(CS + ArtHist)



OCTOBER 2017



1	2	3	4	5	6	7
8	9	due: Pset 2	10	11	12	13
15	16	17	18	19	20	21
22	due: Pset 3	24	25	26	27	28
29	30	31				

Calendar View



Required Classes

CS 109 X

ARTHIST 130 X



Search for classes