A sensible 4-year planner

Mac McCann

# A System Without Design

My Goals: Computer Science or CS/ECON

Obscure Prerequisites

Large Pain Point





#### CSCI 0330

Introduction to Computer Systems

Section S01, CRN 15883

#### **Course Description**

High-level computer architecture and systems programming. The course covers the organization of computer systems (in terms of storage units, caches, processors, and I/O controllers) and teaches students assembly-language programming and C-language programming. Extensive programming exercises introduce students to systems-level programming on Unix systems, as well as to multi-threaded programming with POSIX threads. Students will be introduced to the functions of operating systems. Prerequisite: CSCI 0150, 0180, or 0190.



# A Bad Solution

junior spring	9	senior fa	II		senior spring	
biol 800- MW	F 10-1050	phys 30 f	MWF (11-1150) (	12-1250)	PHP 1400/160	D/etc
biol 280 TTH	1-220	biol 180 f	MW 830-950		phys 40 MWF	(11-1150) (12-1250)
The family		PHP 191	0 W 3-530		stats	
biol 0040		PHP 170	0 F 1-330			
freshman fall	freshman spring		sophmore fall	sophmore sprin		junior fall
math 90	math 100		introducting to public health	biol 200 - MWF 1	1-1150	chem 380 (WWF 9-950) (TTH 9-1020)
anthropology	health care in the uni	ted states	principles of nutrition	chem 350 - (MW)		engs 0090
principles of econ	microeconomics		love stories	ENGL 0900 acad	erric essay	PHP 850 TTH 230-350
sports in american histroy	engn 900		chem 330	PHP 1530		PHP 1501 TTH 1-220
pre med requiremets	public health requirer					
general chem 1	health care in the uni	led states				
biochem	intro to public health					
orgo 1	fundementals of epi (					
orgo 2	essentials of data are					
bio 1: BIOL 200	public health senior s	eminal (PHP 1910)				
bio 2: physio	PHP 1700					
physics 1	PHP 1590					
physics 2	PHP 1600		classes to add:			
english 1	elective 1: Biol 0030		stata - APMA 1650			
english 2	elective 2: Biol 40		behavioral science - The Family			
math 1	elective 3: Biol 0180					
math 2	elective 4: Biol 0200					

Classes taken:	CS SCB	CS/Econ SCB	Econ AB	ls it possible?								
CS 0170	Math:	Math:	Math:	Classes taken:		CS SCB		Econ SCB	Econ AB			
IUSC 0550	5 in BC Calc	5 in BC Calc	5 in BC Calc	CS 0170		Math:	Math		Math:			
REN 0500	3 III DC Calic	MATH 520	3 III DO Calc	MUSC 0550		5 in BC Calc		BC Calc	5 in BC C	alc		
AATH 0520	later Commence	ECON 0110	ECON 0110	FREN 0500				H 520				
AHIT UDZU	Intro Sequence:	ECONOTIO		MATH 0520		Intro Sequence:	ECO	N 0110	ECON 01 ECON 11:			
	170/180		ECON 1130	CS 0180		170/180		ired Courses:	ECON 11			
S 0180		Required Courses:	ECON 1210	CS 0180		Intermediate Courses		Ired Courses: 11450	ECON 16			
CS 0220	Intermediate Courses:	CSCI 1450	ECON 1620	ECON 0110		CSCI 0220		11400	ECON 16			
ECON 0110	CSCI 0220		ECON 1630	PHIL 0010		CSCI 0330	CSC	Intro Sequence:				
PHIL 0010	CSCI 0330	CSCI Intro Sequence:		11112 0010		CSCI 0320	170/		5 Addition	nal Courses:		
	CSCI 0320	170/180	5 Additional Courses:	CSCI 0330					ECON 17	10		
CSCI 0330			ECON 1710	CSCI 1300	,	Advanced Courses:	Inten	mediate Courses:	ECON 17	50		
CSCI 1300	Advanced Courses:	Intermediate Courses:	ECON 1750	CSCI 1010		Two pairs:	CSC	1 0220	ECON 17	30		
CSCI 1010	Two pairs:	CSCI 0220	ECON 1730	ECON 1130		CSCI 1010	CSC	1 0330	ECON 16			
						CSCI 1510			ECON 18	70		
ECON 1130	CSCI 1010	CSCI 0330	ECON 1640	Classes I'd like to			One				ECON 1620	
	CSCI 1510		ECON 1870	(investments trac		CSCI 1300		1 1010			ECON 1710	
Classes I'd like to take:		One Pair:		ECON 1620		CSCI 1320		1 1510			ECON 1750	
(investments track)	CSCI 1300	CSCI 1010		ECON 1710 ECON 1750		Capstone Course:	2.10	tional 1000-level CS			ECON 1730 CSCI 1510	
ECON 1620	CSCI 1320	CSCI 1510		ECON 1730		capstone Course: <senior course="" year=""></senior>		1 1300	course		CSCI 0320	
ECON 1710				EGOW 1730		sautor year courses	USU	1300			CSCI 1320	
ECON 1750	Capstone Course:	Additional 1000-level CS or	ourse	(crypto track)		ECON 1130 (probably	, F00	N 1130			<senior cap<="" td="" year=""><td>ostone&gt;</td></senior>	ostone>
ECON 1730	<senior course="" year=""></senior>	CSCI 1300		CSCI 1510		ECON 1620		N 1210			CSCI 1410	
	,						ECO	N 1630			ECON 1210	
(crypto track)	ECON 1130 (probably)	ECON 1130		(normal CS class	ses)	Theoretical					ECON 1630	
CSCI 1510	ECON 1620	ECON 1130		CSCI 0320		CSCI 1510	3 Co	urses from "math e	con" group		ECON 1640	
2901 1910	ECON 1620						EC0	N 1640			ECON 1870	
		ECON 1630				Al		N 1870			ECON 1860	
(normal CS classes)	Theoretical					CSCI 1410	EC0	N 1860			APMA 1650	
CSCI 0320	CSCI 1510	3 Courses from "math econ	n" group				_					
		ECON 1640				Systems CSCI 1300		additional 1000-leve IN 1710	il econs			
	Al	ECON 1870			'	USUI 1300		N 1710 N 1750				
	CSCI 1450 (old name)	ECON 1860		Answer: Yes			ECO	H IVO				
				Anamei. Tes								
	Systems	Two additional 1000-level e	cons									
	CSCI 1300	ECON 1710		Freshman fall	Erochman	ing Sophomore fall	Sophomore sp	rin Junior fall	Junior spring	Senior fall	Senior spring	
	50011500	ECON 1750		CS 0170	CS 0180	CSCI 0330		ECON 1710	ECON 1750	ECON 1730	Senior abing	
		ECON 1750		CS 01/0 MUSC 0550	CS 0180 CS 0220	CSCI 1300	CSCI 0320 CSCI 1510	ECON 1/10 ECON 1630	ECON 1750 ECON 1640	ECON 1730 ECON 1860	ECON 1870	
								ECON 1630	EUUN 1640		ECON 1870	
		Capstone course:		FREN 0500	ECON 0110	CSCI 1010	ECON 1620	00011000		CSCI 1410		
		<senior course="" year=""></senior>		MATH 0520	PHIL 0010	ECON 1130	ECON 1210	CSCI 1320				
							APMA 1650					
									quires ECON 1620			
									quires ECON 1620			

# A System Without Design



Oct 11 ☆ 🔸 🔻

CS is announcing new concentration requirements for the AB and ScB in CS that were recently approved by the University's College Curriculum Council (CCC).

# A System Without Design

An estimated 75 percent of students change their major at least once before graduation<sup>[1]</sup>

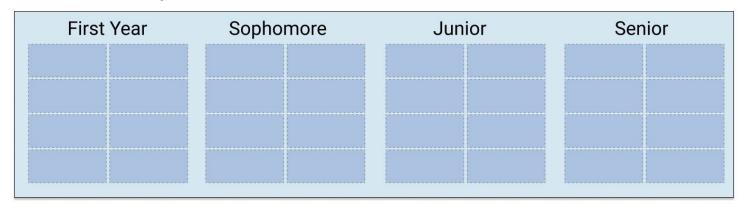
# A Solution

Planner@Brown

#### Tell us about yourself:



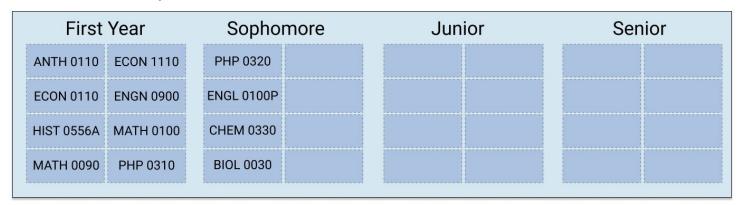
#### Tell us about your classes:



#### Tell us about yourself:

Sophomore ▼	Public Health ▼	$\overline{-}$	Semesters Off ▼	+
	Pre-Med ▼	+		

#### Tell us about your classes:



Year: Sophomore

Requirements: Public Health, Pre-Med

Off Semesters: None

#### Here's what we found for you:

First	Year	Sopho	more	Jur	nior	Ser	nior
ANTH 0110	ECON 1110	PHP 0320	CHEM 0350	PHP 0850	PHP 152 ▼	PHP 1910	[PHP Elec▼
ECON 0110	ENGN 0900	ENGL 0100P	PHP 1600	PHP 1501	BIOL 1820	[Writ Cou▼	
HIST 0556A	MATH 0100	CHEM 0330	BIOL 0280	CHEM 0360	[PHP Elec▼	[PHP Elec▼	
MATH 0090	PHP 0310	BIOL 0030		PHYS 0030	PHYS 0040		

Courses do not fulfill requirements: select courses from the drop-down lists of options to complete your concentration

#### Give us feedback:



Year: Sophomore Require

Requirements: Public Health, Pre-Med

Off Semesters: None

#### Here's what we found for you:

ECON 0110 ENGN 0900 ENGL 0100P PHP 1600 PHP 1501 BIOL 1820 [Writ Cou▼  HIST 0556A MATH 0100 CHEM 0330 BIOL 0280 CHEM 0360 [PHP Elec▼  PHP 0030	
HIST 0556A MATH 0100 CHEM 0330 BIOL 0280 CHEM 0360 PHP Elec▼  MATH 0090 PHP 0310 BIOL 0030 PHYS 0030 PHP 0050 PHP 1680I PHP 1680I PHP 1680K PHP 1680K	PHP Elec▼
MATH 0090 PHP 0310 BIOL 0030 PHYS 0030 PHP 0050 PHP 1680I PHP 1680K PHP 1680K	
Civo us foodback:  BIOL 0030  PHYS 0030  PHP 0050  PHP 1680I  PHP 1680K  PHP 1680K	
Courses do not fulfill requirements: select courses from the drop-down lists of PHP 1680K  PHP 1680K  PHP 1680K	
Civo us foodbook:	
Civo us foodback:	entration
Give us feedback:	ritiation
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Year: Sophomore

Requirements: Public Health, Pre-Med

Off Semesters: None

#### Here's what we found for you:

First	Year	Sopho	more	Jur	nior	Ser	ior
ANTH 0110	ECON 1110	PHP 0320	CHEM 0350	PHP 0850	PHP 1520 ▼	PHP 1910	BIOL 0470 ▼
ECON 0110	ENGN 0900	ENGL 0100P	PHP 1600	PHP 1501	BIOL 1820	ENGL 0310 ▼	
HIST 0556A	MATH 0100	CHEM 0330	BIOL 0280	CHEM 0360	BIOL 0030 ▼	BIOL 0200 ▼	
MATH 0090	PHP 0310	BIOL 0030		PHYS 0030	PHYS 0040		

Courses do not fulfill requirements: no more than 2 (two) Human Biology courses may be taken as Public Health electives

#### Give us feedback:



Year: Sophomore

Requirements: Public Health, Pre-Med

Off Semesters: None

#### Here's what we found for you:

First	Year	Sopho	more	Jur	nior	Ser	ior
ANTH 0110	ECON 1110	PHP 0320	CHEM 0350	PHP 0850	PHP 1520 ▼	PHP 1910	BIOL 0470 ▼
ECON 0110	ENGN 0900	ENGL 0100P	PHP 1600	PHP 1501	BIOL 1820	ENGL 0310 ▼	
HIST 0556A	MATH 0100	CHEM 0330	BIOL 0280	CHEM 0360	BIOL 0030 ▼	SOC 1250 ▼	
MATH 0090	PHP 0310	BIOL 0030		PHYS 0030	PHYS 0040		

#### Give us feedback:

## Where Next?

Source of Truth: Courses Database

Implementation: Website

Expansion

# Thank You

What about Pre-Med, PLME, Professional Track, etc.?

All of these can be added in the "Requirements" option.

### Can the results be saved?

Yes, there will be an "export to Courses@Brown" button.

### Can you take five classes?

Yes, there will be an "add fifth course" button.

# My Journey

A System Without Design

The Solution

Where Next?