

Computer Science Advising Party

David Juedes

Ohio University Russ College of Engineering and Technology

October 19th, 2015



First Order of Business

- Sign in.
- Put down your Name and PID.
- Put down whether you would like your advising hold released.
- I'll use this information to release you from your advising hold, if you so desire. A note will be placed in the faculty and advising center that your hold was released in this way.

Purpose of the DARS Party

- 1 General Advising Notes
- 2 Discuss Schedule Planning
- 3 Provide a mass “advising” session
 - Please remember that you can still sign up for an advising appointment to see your advisor this week. (I encourage you to do so.)
- 4 Talk about the Major
- 5 Career advice
- 6 Talk about the DARS report

General Advising Notes

The College will be running one section of MATH 1300, three sections of MATH 2301, and two sections of MATH 2302 for engineering students only next term. Times and section numbers are:

Engineering Math

Course	Component	Section	Days	Time
MATH 1300	Lecture	110	MWF	8:35 AM
	Recitation	Tu	10:30 AM	
MATH 2301	Lecture	118	MWF	9:40 AM
	Lecture	120	MWF	2:00 PM
	Lecture	122	MWF	11:50 AM
	Recitation	119	Th	1:30 PM
	Recitation	121	Th	10:30 AM
MATH 2302	Recitation	123	Th	12:25 PM
	Lecture	112	MWF	12:55 PM
	Lecture	114	MWF	3:05 PM
	Recitation	113	Tu	12:25 PM
	Recitation	115	Tu	1:30 PM

Students can reserve a seat in a class through a qualtrics survey. Instructions are in course offerings. Only reserve one seat.



More Notes

The Chemistry Placement exam will be given Monday, November 2 through Thursday, November 5 from 3-4 pm in Clippenger 194. You do not need to register for the exam. They should bring a pencil, calculator (any is fine) and a photo id.

The last day to drop a class is October 30 this term.

If you need to drop a class, please talk with me after this session.

If you are struggling with any classes, there is free tutoring in Math and Science as well as SI sessions that are available at the Academic Advancement Center site

(<https://www.ohio.edu/uc/aac/index.cfm>).

Schedule Planning

- 1 Use “MyPlanner” in your My Ohio Academic Portal to build a 4 year schedule.
 - We will use this for demand analysis – eventually.
 - Select Courses
 - Put them in the right semester
 - Show this plan to your advisor!
- 2 Use the Schedule Planner feature in your MyOhio Academic Portal to schedule
 - This makes registering easier. See here for more details.
 - You can import your semester schedule from MyPlanner
 - Here’s the video: Schedule Planner

CS Major — Overview

- 1 University Requirements: Tier I, II, and III + 120 Semester hours
 - Everyone **must** have 120 semester hours to graduate. This trips up people every year — don't let it be you.
 - Everyone **must** fulfill Tier I, II, and III to graduate. Don't let this one trip you up too. Follow the DARS report.
 - Use the advanced search feature of the course offerings page to find these types of courses.
- 2 College Requirements (2.0 GPA in College/Major, ET 1500 for students entering 2012-13 or later)
- 3 Major Requirements: CS 2400+2401+2650+3000+3200+3610+.... + Math Courses + Science Courses + CS Tech Electives
 - Other advanced CS courses can be used as tech electives with permission. (E.g., a course on Machine Learning as a CS 4900.)

General Advising Advice for CS Students

- Watch out for Tier II/ CS Major requirements overlap.
- Take CS 3000/CS 3610/CS 3200 as soon as you can. These courses are on the critical path of most other courses in the major.
- Under the new curriculum, the science options are Physics (PHYS 2051+2052), Chemistry (CHEM 1510+1520), Biology (BIOS 1700+1705+1710+1715), or Plant Biology (P BIO 1140+1150).
- You need an additional science course from Bio, Phys, Chem including 2 of the three disciplines(CHEM 1510+1520; P BIO 1140 is ok); (P BIO 1140+1150+ BIOS 1700+1705 is not ok)

Degree Requirements

It's all explained on the DARS and the advising sheets!



Career Advice

- Don't forget to sign up for CAREER SERVICES Careerlink.... they really help!
- Think about a co-op/internship/summer job in the major early! It's a great way to pay for College. There are lots of opportunities now! Cindy Marling is the co-op advisor. (Pay +\$15 per hour.)
- If you are graduating, there are lots of jobs right now. One place to look at dice.com. Remember to sign up for the career fairs and career Career Services (5th floor of Baker.)
- If you are a good student (3.0 GPA +), talk to your advisor about graduate school. We pay students to get their M.S. or Ph.D. (10-20K per year + tuition is free!)



Career Advice, Cont'd

- Google is hiring: <https://goo.gl/VF10fP>
<https://goo.gl/fWqLve>, <https://goo.gl/HdnDpP>
- Imgur is hiring. See imgur.com/jobs
- Participating in a programming contest will help you with your job search.
Try Google Code Jam this year: code.google.com/codejam.
- TopCoder
- ACM AI contest.

Questions

Any questions so far?



DARS Reports

The DARS report gives you information about University, College, and Major requirements for graduation. If you have multiple majors (or a minor), you may have multiple DARS reports.

The report has a “NO” in any section that you have not completed. “OK” means either you have completed that section, or you are currently “OK” in terms of the requirement (e.g., $\text{GPA} \geq 2.0$).

Let's look at the PDF version of the report.

The DARS Report

The first part of the DARS report tells you (and your advisor) about you: Your ACT scores; your GPA, your advisor, etc.

```

----- COLUMN 1 -----
EMAIL: @ohio.edu
ACT: ENGL | MATH | READ | SCORE | COMP | WRIT |
CAMPUS: Athens Campus
LEVEL: Sophomore UNIVERSITY CATALOG: 2012-13
COLLEGE: Russ College of Engineering and Technology
PLAN: Major CODE: BS7260 CATALOG: 2012-13
      Computer Science
DEGREE: Bachelor of Science in Computer Science (BSCS)

----- ADVISOR(s) -----
MAJOR ADVISOR: Cynthia Marling (marling@ohio.edu)

-----
Transcripted hours and gpa listed below might differ from those
applied toward your degree. Hours and gpa listed under general
graduation requirements are used to certify graduation.
SEMESTER ATTEMPT EARNED GPA POINTS
TRANSCRIPT: | 31.00 | 31.00 | 2.332 | 72.32 |

IN-PROGRESS HOURS*: 18.5 Undergraduate (Fall Semester 2013-14)
*excludes audited, withdrawn, no report (NR), and completed hours

-----> AT LEAST ONE REQUIREMENT HAS NOT BEEN COMPLETED. <-----

```

Your University Catalog tells you which requirements APPLY TO YOU. (They can change from year to year — you can always move up if it helps you)



More Basic Information

The next part of the DARS report tells you about your Major, College, and Overall GPA. You must have a 2.0 in all cases in order to graduate. Also, you must earn a certain number of hours at OU (residency) in order to graduate. You must have 120 semester hours to graduate.

UNIVERSITY AND ENGINEERING GPA REQUIREMENTS				
NO	GENERAL GRADUATION REQUIREMENT - COMPLETE 120 SEMESTER HOURS AT THE 1000-LEVEL OR ABOVE (135 HOURS FOR STUDENTS EARNING TWO BACCALAUREATE DEGREES). THE FOLLOWING LIMITS WILL APPLY: 1) NO MORE THAN 12 HOURS TAKEN WITH THE PASS/FAIL GRADING OPTION AND 2) NO MORE THAN 6 HOURS OF DEVELOPMENTAL COURSES. 2.0 GPA REQUIRED.			
	EARNED: 31.00 HOURS			
	31.00 HOURS ATTEMPTED	72.32 POINTS		2.332 GPA
-->	NEEDS: 89.00 HOURS			2.000 GPA
	HOURS APPLIED WITHOUT RESTRICTION			
	31.00 HRS COMPLETED			
OK	ENGINEERING GPA - 2.0 REQUIRED			
	EARNED: 16.00 HOURS			
	16.00 HOURS ATTEMPTED	37.32 POINTS		2.332 GPA
OK	COMPUTER SCIENCE GPA - 2.0 REQUIRED			
	EARNED: 12.00 HOURS			
	12.00 HOURS ATTEMPTED	29.32 POINTS		2.443 GPA
OK	UNIVERSITY RESIDENCY			
	EARNED: 31.00 HOURS			

Placement Scores

These sections tell you and your advisor your placement scores:

```
-----  
      PLACEMENT  
      CHEMISTRY PLACEMENT  
      TSXX PLCH0042      0.0      CHEMISTRY PLACEMENT SCORE  
***** CONTINUED ON COLUMN      2 PAGE      1 *****
```

Placement Scores, Cont'd

These sections tell you and your advisor your placement scores:

```
----- COLUMN 2 -----  
ENGLISH COMPOSITION PLACEMENT  
PLXX PLENGS      0.0      ENG 1510 PLACEMENT (SPRING)  
MATH PLACEMENT  
PLXX PLMAPL2     0.0      MATH LEVEL 2 PLACEMENT  
YOUR ACT READING SCORE IS BELOW 21. ENROLLMENT IN  
UC D998 RECOMMENDED.
```

Tier I

You'll need ENG 1510, a MATH course (don't worry about it here), and Junior English.

OK	GENERAL EDUCATION TIER I FIRST-YEAR ENGLISH COMPOSITION Sp13 ENG 1510 3.0 C+
OK	GENERAL EDUCATION TIER I QUANTITATIVE SKILLS Fa13 MATH1300 4.0 B
NO	GENERAL EDUCATION TIER I JUNIOR COMPOSITION - 1) COMPLETE ONE JUNIOR COMPOSITION COURSE (J). NEEDS: 1 COURSE SELECT FROM: ART 3000J AVN 3250J CLWR 3850J CONS 3450J ECON 3100J EDHP 3930J ENG 3060J,3070J, ENG 3080J,3090J,3100J,3840J ET 3800J ETM 3700J FILM 3440J GEOL 3092J HC 3000J HIST 3111J HLTH 3400J IART 3600J JOUR 4410J MGT 3100J,4800J ML 3210J,3270J PBIO 4180J,4181J PHIL 3010J POLS 3050J PRCM 3250J REC 3700J SAM 3250J SOC 3560J WGS 4810J
	- OR) COMPLETE 2 JUNIOR COMPOSITION EQUIVALENCY COURSES (JE) WITHIN YOUR PROGRAM OF STUDY. ALL JE COURSES ARE LISTED BELOW, BUT COURSES OUTSIDE YOUR PROGRAM OF STUDY MUST BE APPROVED BY THE DEPARTMENT OR SCHOOL. COURSES MUST BE TAKEN FALL 2012-13 OR LATER. NEEDS: 4.00 HOURS 2 COURSES SELECT FROM: CE 4000 (Su13 or later), CE 4280 (Su13 or later) CHE 2010 ,4110 COMS 3400 , COMS 3500 ,3600 EDEC 3120 ,4200 GEOL 3500 , GEOL 4520 ISE 2100 ,3340 JOUR 3310 ,3500 ,3630 , JOUR 3700 ,4650 ,4700 MDIA 3110 (Su13 or later), MDIA 3201 (Su13 or later),3202 (Fa14 or later), MDIA 4201 (Su13 or later) ME 3510 ,4880



Tier II

As a CS major, you'll need a course from 4 of the Tier II categories. The other 2 "come for free." (2NS, 2AS).

```

NO GENERAL EDUCATION TIER II - COMPLETE 21 HOURS WITH AT
LEAST 2 HOURS FROM EACH OF THE 6 DISTRIBUTION AREAS.
NO MORE THAN 2 DISTRIBUTION AREAS MAY BE SATISFIED WITH
COURSES FROM THE SAME DEPARTMENT/SCHOOL. NO MORE THAN 8
OF THE 21 HOURS MAY BE FROM THE SAME DEPARTMENT/SCHOOL. NO
MORE THAN 2 COURSES MAY BE FROM THE MAJOR DEPARTMENT OR
AREA OF CONCENTRATION.
EARNED: 7.00 HOURS                2 SUBREQTS
--> NEEDS: 14.00 HOURS            4 SUBREQTS
+ 1) APPLIED SCIENCE & MATHEMATICS (2AS) - COMPLETE 2 HOURS.
   ( 4.00 HRS COMPLETED)
   Sp13 MATH2301 4.0 D
SELECT FROM: BIOS 2050 ,2200 ,2210 ,2215 ,2250 ,2350
CHEM 1010 CS 2300 CSD 1080 EE 1014 EH 2000
ET 2300 ,2800 ETM 1100 GEOG 1400 ,2600 ,2680
GEOL 1350 ,1700 ,2150 ,2310 HLTH 2000 ,2020
ISE 1100 ,3040 ITS 1010 ,2010 MATH 2302
NUTR 1000 ,1100 PBIO 1030 ,2010 ,2060 ,2140 ,
***** CONTINUED ON COLUMN 3 PAGE 2 *****

```

Tier II, cont'd

----- COLUMN 3 -----	
PBIO 2180, 3140	PSC 1350
- 2) CROSS-CULTURAL PERSPECTIVES (2CP) - COMPLETE 2 HOURS.	
Fa14 CHIN1110 4.0 0.0 RG	
NEEDS: 2.00 HOURS 1 COURSE	
SELECT FROM: AH 2130, 3400, 3310 ANTH 1010, 2020	
CLAR 1110	CLAS 2510 CLWR 3330, 3340, 3350
COMS 1100	DANC 4550 EDCS 1011 ENG 3310, 3320
FOREIGN LANGS: AKAN 1110, 1120, 2110, 2120	
ARAB 1110, 1120, 2110, 2120	CHIN 1110, 1120, 2110, 2120
CHIN 1110, 1120, 2110, 2120	FR 1110, 1120, 2110, 2120
GER 1110, 1120, 2110, 2120	GK 1110, 1120
HIND 1110, 1120, 2110, 2120	INDO 1110, 1120, 2110, 2120
INDO 1110, 1120, 2110, 2120	ITAL 1110, 1120, 2110, 2120
JPN 1110, 1120, 2110, 2120	JPC 2500 KHMR 1110, 1120, 2110, 2120
KHMR 1110, 1120, 2110, 2120	KIKU 1110, 1120, 2110, 2120
KIKU 1110, 1120, 2110, 2120	LAT 1110, 1120, 2110, 2120
MALA 3930	PORT 3110, 3120, 3180, 3190
RUS 1110, 1120, 2110, 2120	SOMA 1110, 1120, 2110, 2120
SOMA 1110, 1120, 2110, 2120	SPAN 2110, 2120, 3349
SUND 1110	SUDN 1120, 2110, 2120, SWAH 1110, 1120, 2110, 2120
SWAH 1120, 2110, 2120	THAI 1110, 1120, 2110, 2120
THAI 1120, 2110, 2120	VIET 1110, 1120, 2110, 2120
VIET 1120	WOL 1110, 1120, 2110, 2120
ZULU 1110, 1120, 2110, 2120	
GEOG 1310	HIST 1222, 1320, 1330, 2460, 3230
HIST 3231, 3293, 3371, 3410, 3411, 3450, 3451	
HIST 3452, 3520	HSP 2210 HUM 2170 ILL 3890
INST 1100, 1114, 1400, 1600, 2100	MDIA 3175
MUS 1210	PBIO 2170 PETE 2000 POLS 4400
RFPD 1100	RHT 1200
- 3) FINE ARTS (2FA) - COMPLETE 2 HOURS.	
NEEDS: 2.00 HOURS 1 COURSE	
SELECT FROM: AH 2110, 2120 ART 1100, 1600	
DANC 1700, 2700, 2710, 3550, 4710, 4711, 4750	
FAR 1500	FILM 2010, 2020 IART 1170, 1180
MDIA 2701	MUS 1000, 1200 OR 1250, 1240
THAR 1130, 1710, 1720, 1730, 2710, 2711	
- 4) HUMANITIES AND LITERATURE (2HL) - COMPLETE 2 HOURS.	
NEEDS: 2.00 HOURS 1 COURSE	
SELECT FROM: AAS 1100, 1500, 2100, 2110, 2500, 3500	
CAS 1110, 1120	CLAS 2300, 2310, 2340, 2520, 2530
CLAS 2540, 2550	CLWR 1810, 2210, 2220, 3310
CLWR 3320	COMS 1010, 1030 ENG 1600, 2010, 2020
ENG 2820, 3850	FILM 2030 GK 2110, 2120
HIST 1210, 1220, 1221	HUM 2070, 2080 ILM 2901, 2902, 2903, 2904, 2905, 2906 JS 1000, 2100
ILML 2902, 2903, 2904, 2905, 2906	ML 2336 PHIL 1010, 1300, 2160, 2161, 2162
LAT 2110, 2120	PHIL 1010, 1300, 2160, 2161, 2162
PHIL 2320, 2400, 2600, 3100, 3110, 3120, 3140	
VICO 1000	WGS 1000



Tier II, cont'd

Tier II 2NS (Natural Sciences) courses come for “free.” Don’t select one here since you might be wasting your efforts.

```

- 5) NATURAL SCIENCES (2NS) - COMPLETE 2 HOURS.
  NEEDS: 2.00 HOURS 1 COURSE
  SELECT FROM: ANTH 2010 ASTR 1000 ,1001 ,1400
               BIOS 1000 BIOL 1010 OR PBIO 1140 OR BIOS 1700 ,
               BIOS 1030 ,1300 ,1310 ,1705 ,1710 ,2010 ,2020 ,
               BIOS 2030 ,2035 ,2060 ,2100 ,2750 CHEM 1210 OR
               CHEM 1510 ,1220 OR 1520 GEOG 1100 ,2020
               GEOL 1010 ,1200 ,1300 ,2080 ,2110 ,2210 ,2710
***** CONTINUED ON COLUMN 4 PAGE 2 *****
  
```

Tier II, cont'd

```

----- COLUMN      4 -----
PSC 1010 ,1011 ,1050 ,1051 ,1310 ,2050   PBIO 1000 ,
PBIO 1000L,1020 ,1090 ,1150 ,2090 ,2470   PHYS 2001 ,
PHYS 2002 ,2051 ,2052 ,2301
+ 6) SOCIAL SCIENCES (2SS) - COMPLETE 2 HOURS.
   ( 3.00 HRS COMPLETED)
   Fal3 SOC 1000      3.0 B-
   SELECT FROM: AAS 1010 ,2020   CFS 2700 ,2710
   CLAR 2110 ,2120 ,2130   COMS 3601 ,3602 ,3603
   CONS 2500   ECON 1000 ,1030 ,1040   EDEC 1600
   FIN 2010   GEOG 1200 ,1300   HIST 2000 ,2010
   JOUR 1050 ,2050   LET 1050   LING 2700   MDIA 1091 ,
   MDIA 2012 ,2132 ,2305   MGT 2000   POLS 1010 ,1500 ,
   POLS 2000 ,2300 ,2500 ,2700 ,4300   PSY 1010
   REC 2010   SW 1000   SOC 2000

```

Finding a Tier II Course

You can use the advanced search feature of the Course Offering Web-site to find a Tier II 2CP course.

Let's do a DEMO.

Tier III

Which Tier III course will you take? CS 4560 is a Tier III course; All CS students take it.

NO GENERAL EDUCATION TIER III

- 1) COMPLETE AT LEAST 3 HOURS OF TIER III (T3) OR TIER III EQUIVALENT COURSEWORK. AT LEAST 2 OF THE 3 HOURS MUST BE TAKEN AT SENIOR RANK (90 HOURS).

NEEDS: 3.00 HOURS

SELECT FROM: T3** ****

EQUIVALENT: AAS 3691 ,3692 ,4693 AH 4711
 ANTH 4520 ,4720 ,4730 ART 4950 & 4952 ,4954 &
 ART 4956 ,4958 AT 4500 AVN 4800 BIOS 4070 ,
 BIOS 4190 ,4730 ,4810 ,4941 ,4941H CE 4910 ,
 CE 4911 ,4912 ,4913 CFS 4602 CHE 4310
 CHEM 4501 OR PBIO 4501 CHEM 4870 & 4870L,
 CHEM 4941 COMS 4800 CS 4560 CSD 4410
 DANC 4800 ECON 4850 EDCS 4000 ,4001
 EDEC 4500 (through Fa14) EDPL 4650 EE 4963
 EH 4710 ENG 4600 ,4640 ,4650 ,4660 ES 4500
 ET 4520 ETM 4620 EXPH 4495 FIN 4610
 GEOG 4800 ,4990H GEOL 4460 ,4080 ,4290 ,4910
 HIST 4536 HLTH 4665 ,4800 ISE 4191 ITS 4440
 JOUR 4130 ,4230 ,4630 ,4660 ,4860 ,4870
 MATH 4940 ,4993 & 4994
 MDIA 4011 (Fa14 or later),4170 (Su13 or later),
 MDIA 4175 (Fa14 or later),4176 (Fa14 or later)
 ME 4702 MGT 4650 (Sp14 or later),4590 ,4700
 MIS 4800 MKT 4630 MUS 4620 ,4940 & 4941 ,
 MUS 4950 & 4951 NRSE 4600 NUTR 4200
 PBIO 3220 (Fa14 or later),4420 ,4850 ,4945H
 PHIL 4901 PHYS 4051 POLS 4465 PSY 4210 ,
 PSY 4810 REC 4600 ,4850 RFPD 4800 SAM 4700
 SASM 4500 SOC 4950 SW 4802 TAS 4510
 VICO 4112 ,4188 ,4229 ,4386 WGS 4800



The Only College Requirement

ET 1500 is the only “college-level” requirement for CS Majors.

```

COLLEGE REQUIREMENTS
-----
OK  CORE CURRICULUM
    EARNED:                               1 SUBREQT
+  1) CAREER ORIENTATION - COMPLETE 1 COURSE.
    .50 HRS COMPLETED 1 COURSE TAKEN
    Fa13 ET 1500          0.5 CR

***** CONTINUED ON COLUMN 5 PAGE 3 *****

```

The CS Major Courses

This lists all the required CS and EE courses. You need to take 3 upper level CS courses as “technical electives” The list is included.

```

NO      COMPUTER SCIENCE MAJOR
EARNED: 12.00 HOURS          0 SUBREQTS
        12.00 HOURS ATTEMPTED      48.00 POINTS      4.000 GPA
--> NEEDS:
- 1) COMPLETE 15 COURSES.
    12.00 HRS COMPLETED  3 COURSES TAKEN
    Fa13 CS 2400          4.0 A      Fa13 EE 1024          4.0 A
    Sp13 CS 2401          4.0 A      Fa14 CS 3560          3.0 0.0 RG
    Fa14 CS 3610          4.0 0.0 RG  Fa14 EE 3613          3.0 0.0 RG
    NEEDS:
    SELECT FROM: CS 2650 ,3200 ,3560 ,3610 ,4000 ,4040 ,
    CS 4100 ,4420 ,4560 ,4561   EE 3613 ,3954
- 2) COMPLETE AT LEAST 9 HOURS. OTHER COMPUTER SCIENCE
    RELATED COURSES MAY BE USED WITH DEPARTMENTAL APPROVAL.
    NEEDS: 9.00 HOURS
    SELECT FROM: CS 4060 ,4120 ,4160 ,4170 ,4250 ,4440 ,
    CS 4580 ,4620 ,4750 ,4800   EE 4673 ,4683
  
```

Residency

Everyone gets this one (essentially)

OK	MAJOR RESIDENCY AT LEAST 50% OF THE COURSE WORK TAKEN IN THE MAJOR MUST BE COMPLETED AT OHIO UNIVERSITY. THIS REQUIREMENT WILL BECOME UNFULFILLED IF THE MAJOR COURSE WORK TAKEN AT OHIO UNIVER- SITY FALLS BELOW 50%.	
+	(12.00 HRS COMPLETED)	100.0 %

MATH and SCIENCE

Our accrediting body (ABET) requires that students get a year of math and science. Here is how you achieve that: MATH 3000, EE 3713, MATH 2301, MATH 2302, Linear Algebra (MATH 3200 or MATH 3210) + A two course science sequence +

MATH and SCIENCE

```

NO MATHEMATICS AND BASIC SCIENCE
EARNED: 8.00 HOURS          0 SUBREQTS          3.500 GPA
--> NEEDS: 25.00 HOURS          6 SUBREQTS
- 1) CALCULUS - COMPLETE 2 COURSES.
    4.00 HRS COMPLETED 1 COURSE TAKEN
    Sp13 MATH2301          4.0 B+          Fa14 MATH2302 4.0 0.0 RG
    NEEDS:
    SELECT FROM: MATH 2302 OR 2302Q(Fa13-Sp13)
- 2) COMPLETE 2 COURSES.
    4.00 HRS COMPLETED 1 COURSE TAKEN
    Sp13 CS 3000          4.0 A-
    NEEDS:
    SELECT FROM: EE 3713
- 3) LINEAR ALGEBRA - COMPLETE 1 COURSES.
    NEEDS:
    SELECT FROM: MATH 3200 ,3210
- 4) BIOLOGY SEQUENCE - COMPLETE 4 COURSES.
    NEEDS:
    SELECT FROM: BIOS 1700 ,1705 ,1710 ,1715
- OR) CHEMISTRY SEQUENCE - COMPLETE 2 COURSES.
    NEEDS:
    SELECT FROM: CHEM 1510 ,1520
- OR) PHYSICS SEQUENCE - COMPLETE 2 COURSES.
    NEEDS:
    SELECT FROM: 1ST COURSE -> PHYS 251 (through Su12) &
    PHYS 2051Q(Fa13-Su13) (OR) 2051
    2ND COURSE -> PHYS 2052Q(Fa13-Su13) OR 2052
- OR) PLANT BIOLOGY SEQUENCE - COMPLETE 2 COURSES.
    NEEDS:
    SELECT FROM: PBI0 1140 ,1150
  
```

The two course science sequence is either PHYS 2051+2052, CHEM 1510+1520, BIOL 1700 + 1705 + 1710 + 1715, or PBI0 1140 + 1150.



SCIENCE

You need to take an additional science course (at least one of physics or chemistry must be taken) from a short list; Plus you need an additional math/science elective (lots of choices).

- ```

----- COLUMN 6 -----
- 5) COMPLETE 1 OF THE FOLLOWING COURSES OR COURSE GROUP
NOT IN THE SAME SCIENCE AREA COMPLETED IN THE LAB
SEQUENCE LISTED ABOVE. NOTE: CANNOT EARN CREDIT FOR
BIOS 1700 AND PBIO 1140.
NEEDS: 1 CRSE/GROUP
SELECT FROM: BIOS 1700 & 1705 CHEM 1510 PBIO 1140
 PHYS 2051
- 6) MATH AND SCIENCE ELECTIVE - COMPLETE 1 ADDITIONAL
COURSE NOT PREVIOUSLY USED TO SATISFY A REQUIREMENT.
NOTE: CANNOT EARN CREDIT FOR BIOS 1700 AND PBIO 1140.
NEEDS: 1 COURSE
SELECT FROM: ASTR 3251 BIOS 1700 ,1710 ,2750
 CHEM 1510 ,1520 ,2410 ,3050 ,3510 ,4530 EE 2324
 GEOL 1010 ,4800 MATH 3070 ,3110 ,3240 ,3300 ,
 MATH 3400 ,3600 PBIO 1140 PHYS 2051 ,2052 ,
 PHYS 2053 ,3001 ,3011 ,4031 ,4061

```

# Free Electives

You'll need some other courses as well to get to 120 hours. Here's where they will show up. (It's ok to take extra CS courses.... Or, a minor in something else.)

```
FREE ELECTIVES - COURSES NOT IN ANY SPECIFIC REQUIREMENT.
EARNED: 1.00 HOUR
Fa13 UC 1900 1.0 B+
```



# Course Record

The rest of the DARS report gives your course record.

| UNDERGRADUATE COURSE RECORD - CHRONOLOGICAL |                                    |                         |                      |                                  |
|---------------------------------------------|------------------------------------|-------------------------|----------------------|----------------------------------|
| EARNED: 31.50 HOURS                         |                                    | ATTEMPTED 113.00 POINTS |                      | 3.645 GPA                        |
| 2012-2013 ACADEMIC YEAR                     |                                    |                         |                      |                                  |
| 31.50 HRS COMPLETED                         |                                    | 31.00 HOURS ATTEMPTED   |                      | 113.00 POINTS 3.645 GPA          |
| Fa13                                        | CS 2400                            | 4.0                     | A                    | INTRO TO COMPUTER SCIENCE I      |
| Fa13                                        | EE 1024                            | 4.0                     | A                    | INTRO TO COMPUTER ENGINEERING    |
| Fa13                                        | ET 1500                            | 0.5                     | CR                   | ENT: CAREER ORIENTATION          |
| Fa13                                        | MATH1300                           | 4.0                     | A-                   | PRE-CALCULUS                     |
| Fa13                                        | SOC 1000                           | 3.0                     | A                    | INTRODUCTION TO SOCIOLOGY        |
| Fa13                                        | UC 1900                            | 1.0                     | B+                   | LEARNING COMMUNITY SEMINAR       |
| Sp13                                        | CS 2401                            | 4.0                     | A                    | INTRO TO COMPUTER SCIENCE II     |
| Sp13                                        | CS 3000                            | 4.0                     | A-                   | INTRO TO DISCRETE STRUCTURES     |
| Sp13                                        | ENG 1510                           | 3.0                     | C+                   | WRITING AND RHETORIC I           |
| Sp13                                        | MATH2301                           | 4.0                     | B+                   | CALCULUS I                       |
| 2013-2014 ACADEMIC YEAR                     |                                    |                         |                      |                                  |
| Fa14                                        | CS 3560                            | 3.0                     | 0.0                  | RG SOFTWARE ENG TOOLS & PRACTICE |
| Fa14                                        | CS 3610                            | 4.0                     | 0.0                  | RG DATA STRUCTURES               |
| Fa14                                        | EE 3613                            | 3.0                     | 0.0                  | RG COMPUTER ORGANIZATION         |
| Fa14                                        | MATH2302                           | 4.0                     | 0.0                  | RG CALCULUS II                   |
| Fa14                                        | MUS 1000                           | 2.0                     | 0.0                  | RG INTRODUCTION TO MUSIC THEORY  |
| DARS Notation                               |                                    |                         |                      |                                  |
| -                                           | sub-requirement is not complete    | >L                      | deducted (out of     |                                  |
| +                                           | sub-requirement is complete        |                         | of sequence or other |                                  |
| -R                                          | mandatory sub-reqt is not complete |                         | limit)               |                                  |
| +R                                          | mandatory sub-reqt is complete     | >R                      | repeated for credit  |                                  |
| NO                                          | requirement is not complete        | >X                      | deducted (retake or  |                                  |
| OK                                          | requirement is complete            |                         | duplicate)           |                                  |
| NA                                          | requirement is not needed          | >X#                     | credit deducted but  |                                  |
| OPT                                         | requirement is optional            | >X*                     | grade kept in GPA    |                                  |
|                                             |                                    |                         | and transcript       |                                  |

