

# First Semester Freshman Advising



# Overview of Freshman Advising

- Ice breaker
- Survey – beginning
- Advising Information
  - Biology Major Requirements
  - I didn't pass my class 😞
  - What to take next semester
  - Careers for Biology majors
- Survey - end

# Ice breaker

Turn to the person next to you and ask the following questions:

1. What is your name?
  - Note: *if you already KNOW the person next to you, pick someone else!*
2. What do you want to be “when you grow up”?
  - Ask about their career goals
3. Give the person a “Biology Name”...

For example:



Protein Structures

Kinesin Kristy

Mitosis Megan

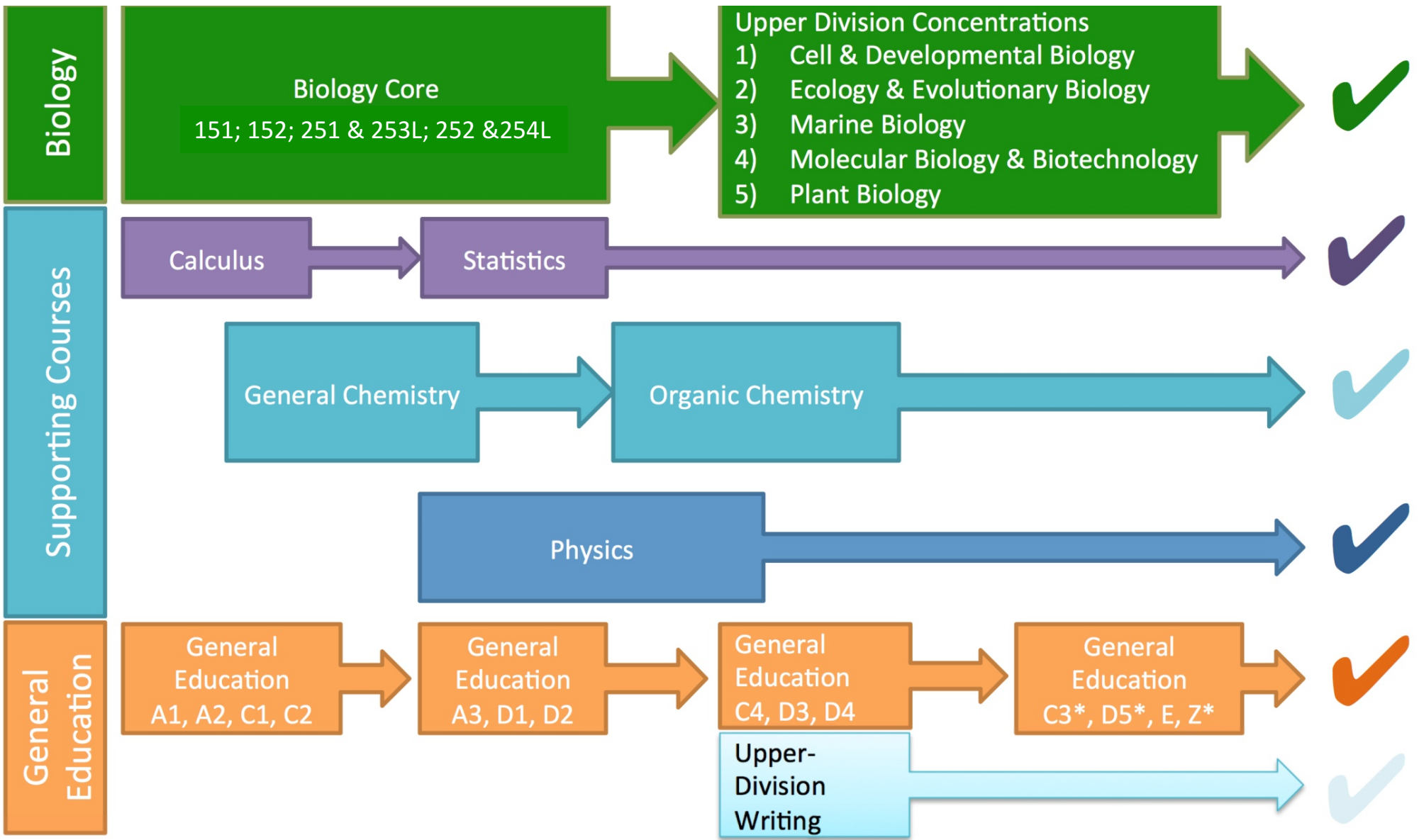


# Survey (beginning)

You will need your mobile devices to complete this survey!

Link to survey:

Password:



Students must complete **120 units** to graduate. **Some students** may require additional units of free electives to reach 120 or more units. \*Some courses in area C3 or D5 can also count to fulfill area Z.



# Overview: The Biology major

- Lower Division (100-200 level) BIOL Core (16 units)
- Upper Division (300-400 level) Electives in Concentration of your choice (24 units)
  - declare concentration when you are in Biol 252 (last BIOL Core course)
- Supporting Courses (Math, Chem, Phys)
- Writing requirement

# Biological Science Requirements

- Lower Division Core
  - **Biology 151**
    - Cellular and Molecular Biology
  - **Biology 152**
    - Evolution and Organismal Biology
  - **Biology 251 and 253L**
    - Genetics and Cell & Molecular Lab
  - **Biology 252 and 254L**
    - Ecology and Ecology & Organismal Lab

# Biological Science Requirements

- **Supporting Courses**
  - Chemistry - 1 year Gen Chem & 1 year O-Chem and lab
    - **CHEM 120A,B; CHEM 301A,B, 302**
  - Mathematics - 2 semesters
    - **Math 130 + Math 338 OR**
    - **Math 150A +Math 150B**
  - Physics - 2 semesters with lab
    - **PHYS 211,211L; 212,212L**
- Upper Division Writing Requirement
  - **ENGL 301 or 363**



# Overview

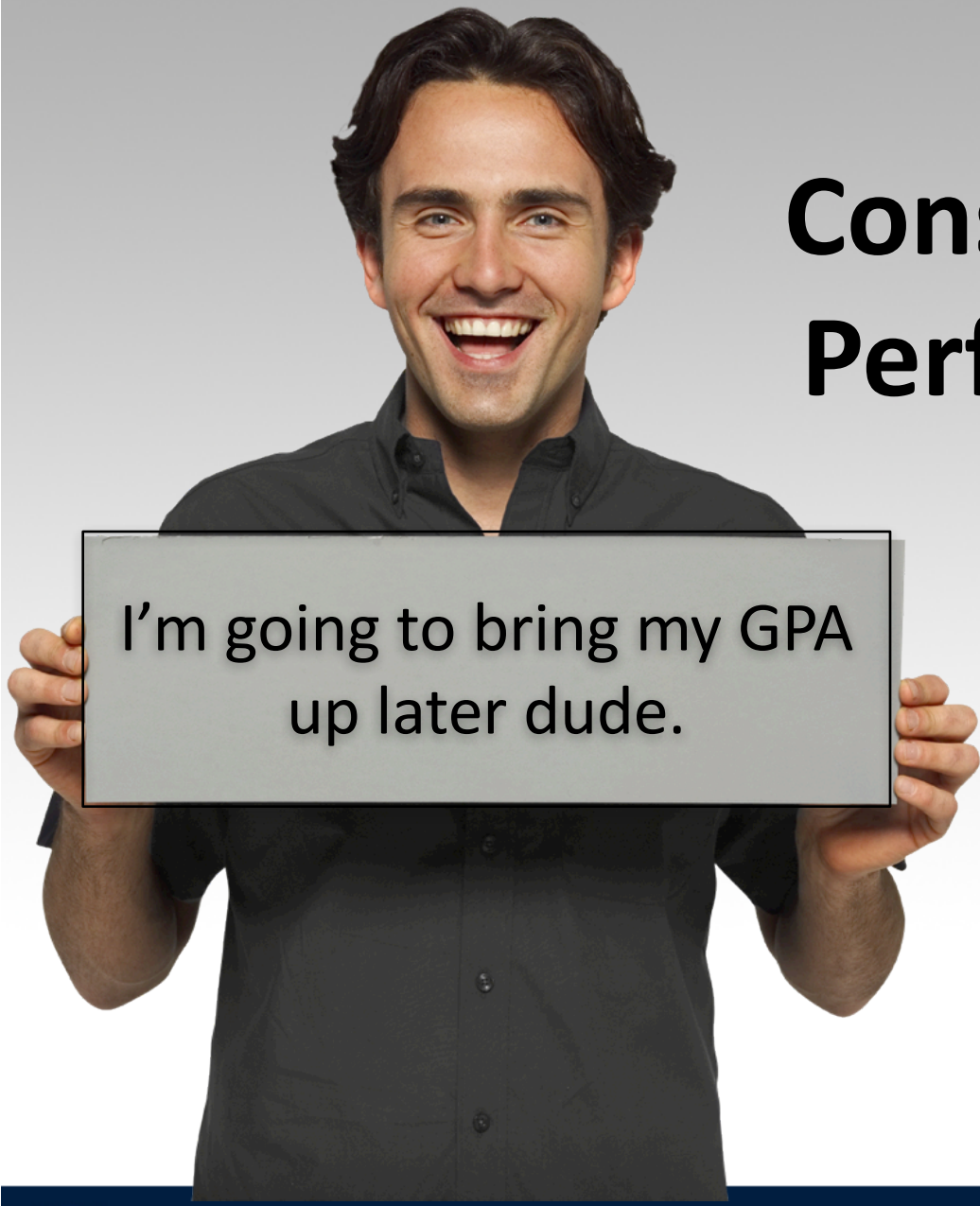
- Biology Major Requirements
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# Oops, I'm not going to pass one of my classes this semester...

- For all Biology and Supporting Courses, you need a C or higher to pass.
- If you do not pass a class:
  - Consider WHY you did not pass.
    - What can you do differently?
  - Try to retake it next semester
    - This should be an *UNUSUAL EVENT!*
    - Note that retaking classes uses up "repetition of course" units
    - Understand the University policies before you start using the repetition units!
  - Make an appointment and get help!
    - **Sam Barrozo, NSM Retention Specialist,**  
**MH-488, [sbarrozo@fullerton.edu](mailto:sbarrozo@fullerton.edu)**



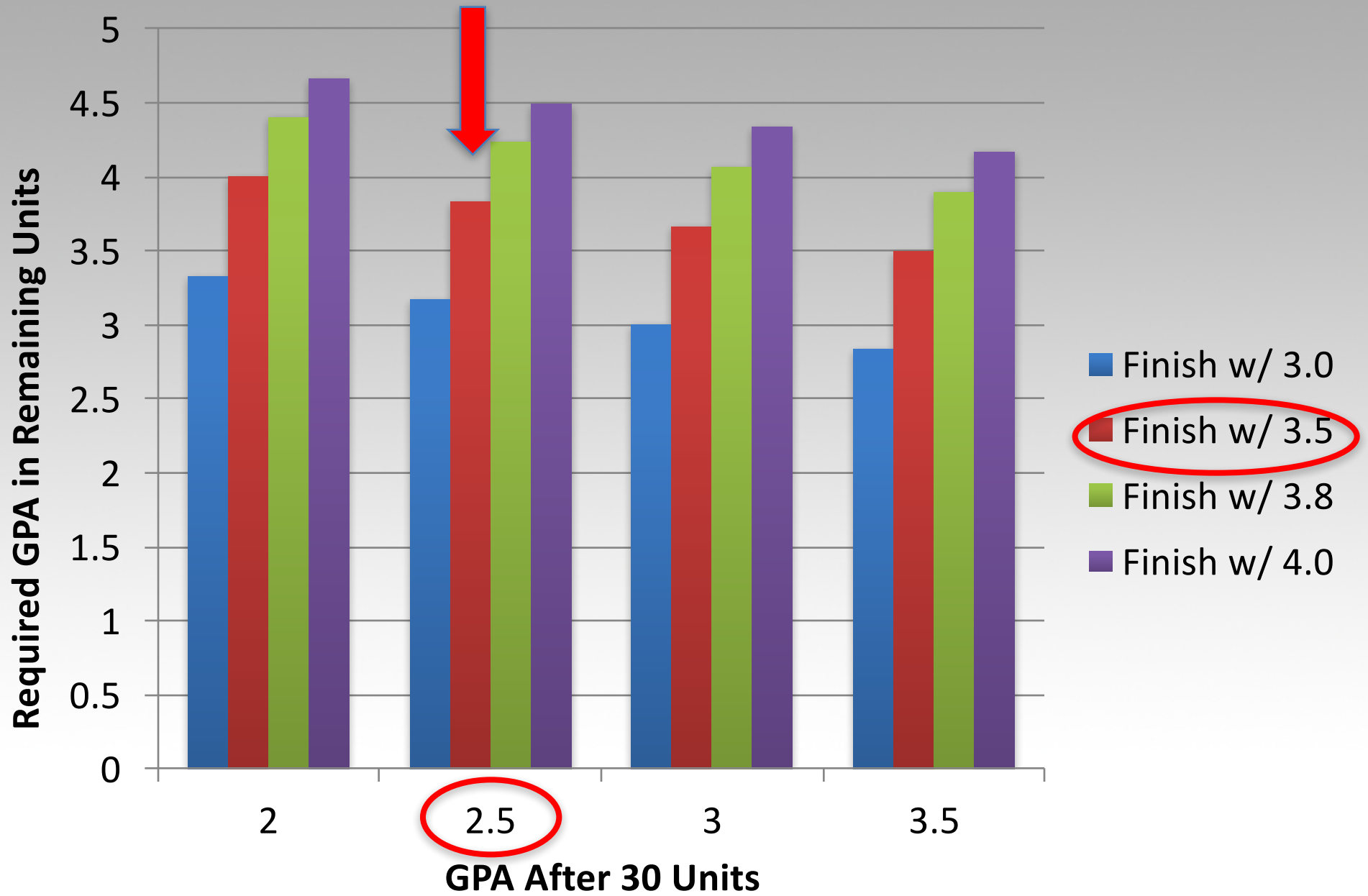
**Sam Barrozo, NSM  
Retention Specialist**

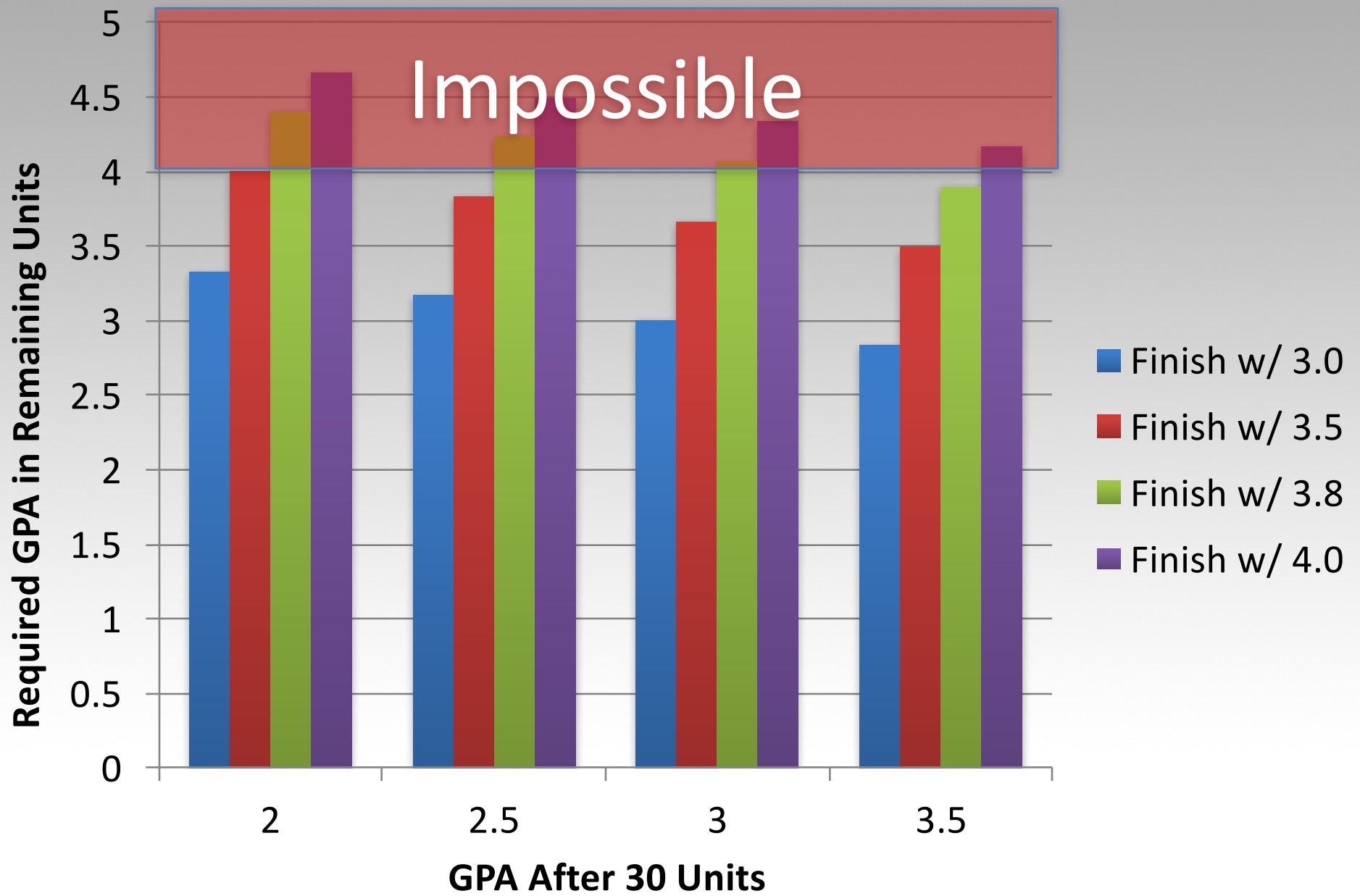


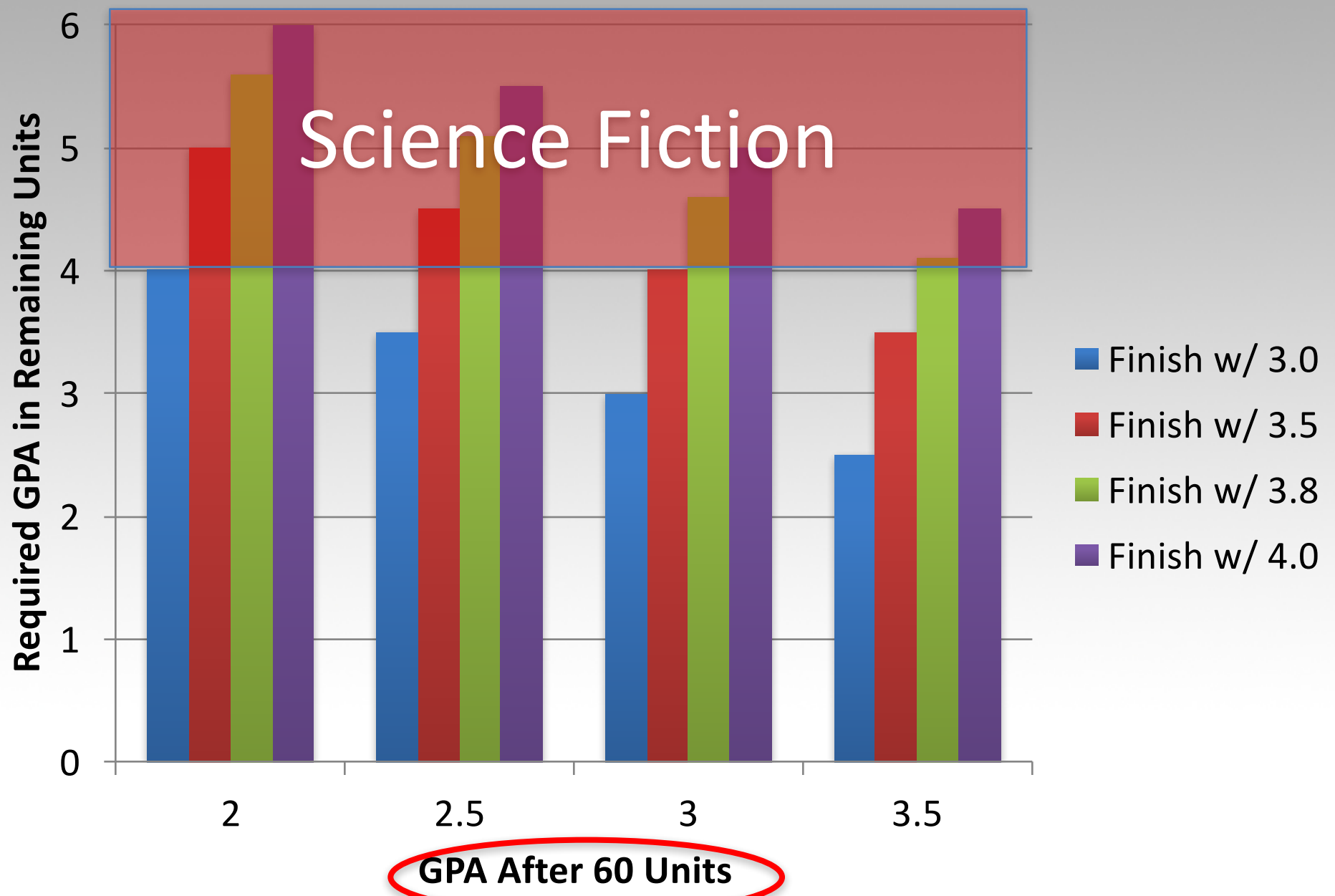
# Important! Consistent Academic Performance is KEY!

I'm going to bring my GPA  
up later dude.









# Something to think about...

Goal	Medical School	Professional programs	Workforce
GPA	>3.7	>3.0	>2.0
Grade forgiveness	Not acceptable	Maybe OK	Not a problem
Knowledge	MCAT prep	Specific sector	Basic understanding
Research	Required?	PhD - Much needed PharmD – no Internships	Some experience needed
Recommendation letters	4 required	2 good letters	?
Awards	Helpful	Helpful	?
Extracurricular	Very High	No	?

# Resources for Help...

➤ **Supplemental Instruction (SI)**

➤ **Office hours**

➤ **FREE tutoring on campus:**

Opportunity Center for Science and Math Students (MH-488), University Learning Center (PLN 2<sup>nd</sup> floor), Math tutoring center (MH-553), and Physics tutoring (MH-600)

➤ **Sam Barrozo, NSM Retention Specialist,**  
MH-488, [sbarrozo@fullerton.edu](mailto:sbarrozo@fullerton.edu) (also for GE questions)



# Overview

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# Overview

## What classes to take?

- In general, each semester take:
  - one BIOL course
  - one MATH\*, and
  - one or two GE courses (many students need 12 units to be a full-time student)

If you are working more than 25 hours per week, a reduced course load is recommended – see handout.

\* *You need to complete one semester of Calculus (Math 130 or Math 150A) before starting Chemistry.*

# What to take next semester?

## Biology Courses

BIOL 151

BIOL 152

BIOL 251 &  
253L

BIOL 252  
& 254L

UPPER  
DIVISION  
BIOLOGY

## Supporting Courses

MATH  
115/125

MATH 130

CHEM 120A

CHEM 120B

# Which BIOL class should I take next semester?

Circle your course on the Advising sheet



COURSE 1	
If you...	Then for SPRING 2018 TAKE
Have NOT completed any BIOL core courses (C or higher)	BIOL 151
Have completed or will complete in Fall 2017 (C or higher): BIOL 151, <u>but not</u> BIOL 152	BIOL 152
Have completed or will complete in Fall 2017 (C or higher): BIOL 151 <u>and</u> 152	BIOL 251 AND 253L
Have completed or will complete in Fall 2017 (C or higher): BIOL 151, 152, <u>and</u> 273	BIOL 252 AND 254L

**Starting in Fall 2017:**  
BIOL 251 & 253L replaced BIOL 273; BIOL 252 and 254L replaced BIOL 274.

**Students with transfer credit:**  
ensure that you have completed the earlier BIOL core courses before moving onto the later BIOL core courses. For information on transfer equivalencies, see [www.assist.org](http://www.assist.org) or speak with a

Which  
MATH or  
CHEM class  
should I  
take next  
semester?

Circle your course on  
the Advising sheet  
→

COURSE 2	
If you...	Then for SPRING 2018 TAKE
Have NOT taken MATH OR completed ESM 45, 40	MATH 115
Have completed or will complete in Fall 2017: MATH 115	MATH 130
Have completed or will complete in Fall 2017: MATH 125	MATH 150A
Have completed or will complete in Fall 2017: MATH 130	Move forward in Chemistry – see below (save Math 338 for Junior Year)
Have completed or will complete in Fall 2017: MATH 150A	MATH 150B
Have NOT taken a CHEM course and do <b>not</b> have a passing score on CPE	CHEM 115
Have completed CHEM 115 or will complete in Fall 2017 (C or higher) OR passed CPE	CHEM 120A



# Math & Chemistry

Supporting Courses



Take  
Chemistry  
Placement  
Exam

PASS

Complete  
CHEM 115

Don't Pass

Complete  
CHEM 115

# Chemistry placement exam (CPE)

**This exam will tell you which Chemistry course to take.**

- You need to take this exam to register for Chem 120A.
- You can register for Chem 115 (the prerequisite for Chem 120A) without taking the exam.

**Dept. of Chemistry and Biochemistry Test Dates:**

**Fri Oct 20 and Fri Oct 27 at 1pm**

Pre-registration is required at

<http://nsm.fullerton.edu/testing/cpe/>

**Testing Center Date:**

<http://www.fullerton.edu/testing> or go to UH-229

Test Date: December 9, 2017

Registration Deadline Date: **November 29, 2017**

What if I  
 need a 3<sup>rd</sup>  
 or 4<sup>th</sup> class  
 in addition  
 to BIOL and  
 MATH?

COURSES 3 and 4 (if needed)	
If you need additional units	Then for SPRING 2018 TAKE
TAKE	GE ELECTIVES (see below)
Remember: Category B in GE will be completed by your Biology and Supporting Courses as part of the Major. You do not need to worry about taking courses in GE Category B.	
<b>GE ELECTIVE RECOMMENDATIONS</b>	
1 <sup>st</sup>	C1 or C2 / A1 or A2
2 <sup>nd</sup>	C4
3 <sup>rd</sup>	D1, D2, D3, or D4



One important note

**You are not "behind"!**

If you want to attend ANY graduate school, the QUALITY of what you've completed on your transcript is far more meaningful than the quantity of years it took.

Give every class you take  
your very best effort!

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# Your Future Career

Whether your future career plans include medicine or research or teaching or....

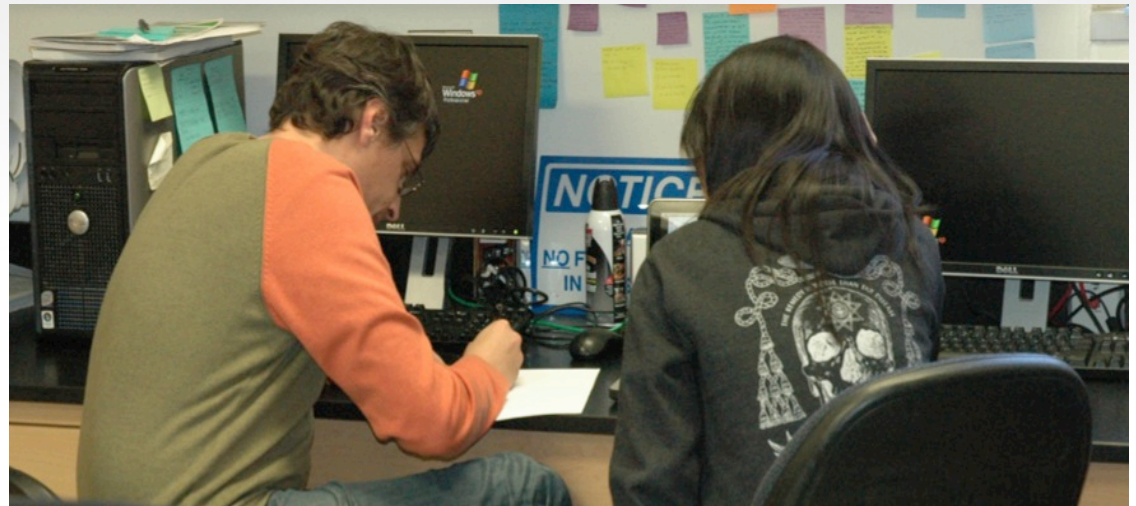
**IT'S NEVER TOO SOON TO START  
PLANNING YOUR FUTURE!**



# Planning for Graduate or Professional School, or Credential Programs

**JUST GOING TO SCHOOL AND GETTING GOOD GRADES IS NOT ENOUGH!**

- Get Involved!
  - Volunteering & Shadowing (critical for those wanting to enter health professions)
  - Research Experience
- Prepare!
  - Prerequisite Courses
  - Entrance Exams



# Health Professions Advising Office

Future Careers in: Medicine (M.D. or D.O.), Dentistry, Optometry, Pharmacy, Physician Assistant, Podiatry, and Veterinary.

## Advice from Dr Mouttapa:

- **Get involved this year!**
  - Join a student organization, volunteer, start an internship
  - Gain experience, network and explore your options
- **Make an appointment NOW!**
  - Don't wait until you are a junior or senior
  - To Schedule an appointment:

<http://www.fullerton.edu/healthprofessions/>



Dr. Michele Mouttapa  
HP Advisor

# CSUF Career Center

NSM Career Specialist: Michelle Ajemian Levy,  
[milevy@fullerton.edu](mailto:milevy@fullerton.edu), LH-208

## Advice from Michelle:

### • Get Involved!

- ✓ Join a student organization, volunteer, start an internship

### • Explore your Options!

- ✓ Attend “day in the life” events to meet people in your future profession
- ✓ Attend workshops on resumes, advising, and much more...
- ✓ For a listing of events:

[www.fullerton.edu/career](http://www.fullerton.edu/career)



# What if you are interested in teaching?

CSUF has credential programs for Elementary Level Teaching (K-6), Middle-School Teaching (6-9) and High School Teaching (9-12)

## Start NOW!

- ✓ Get involved
- ✓ Get experience
- ✓ Get prepared

## Make an appointment:

Dr. Megan Tommerup

[mtommerup@fullerton.edu](mailto:mtommerup@fullerton.edu)

Science Education Coordinator for Biology.





For a list of Student Clubs and Organizations at CSUF go to:  
<https://fullerton.campuslabs.com/engage/organizations>

*It does not have to be a “career oriented” club!  
Philanthropic, Service, Political Action, Recreation, Special Interest  
All of these COUNT!  
The idea is to just get out there and get involved!*



# Final Thoughts

- Next Semester
  - Check your CSUF email in March!
  - You will have group advising again (usually, right after Spring break).
- For Additional Help
  - Biology Advising Resource Page  
<http://www.fullerton.edu/biology/undergrad/advising.asp>
  - Biology advising questions [bioladvising@fullerton.edu](mailto:bioladvising@fullerton.edu)
  - Biology Undergraduate Advising Handbook
- Survey password:

**Please hand in the WHITE copy of the form to the Adviser for your hold to be removed!**