

# Gateway to College Planning

Smoothing the transition from High School to College through the use of  
**College Gateway Course Guides**

# High school students take college courses

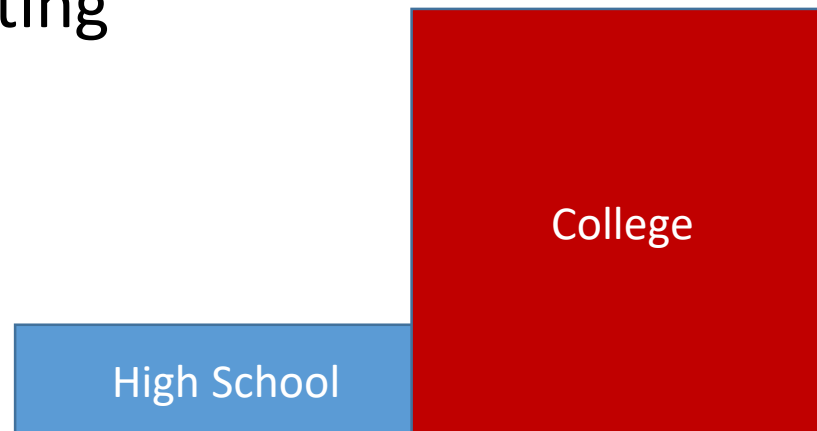
- Dual Enrollment
  - allows students to take college courses to earn credit at both the secondary school and the higher education institution
- Concurrent Enrollment
  - these courses are the same courses that are taught at the college, but are approved to be taught at the high school, by the high school teacher
  - Early Enrollment Program (EEP) at RIC
  - [RIC EEP](#)
- Advanced Placement
- Advanced Course Network
  - <http://www.ride.ri.gov/StudentsFamilies/EducationPrograms/AdvancedCoursework.aspx>
- CLEP

# Example of success

- Alyssa Berube, Somerset, MA
  - Medical Imaging Intended Major
    - 4 year degree program with clinical experience
- 35 credits from HS AP courses
  - Free elective credit
- Started clinical program 1 year early
- 3 years for her BS in Medical Imaging

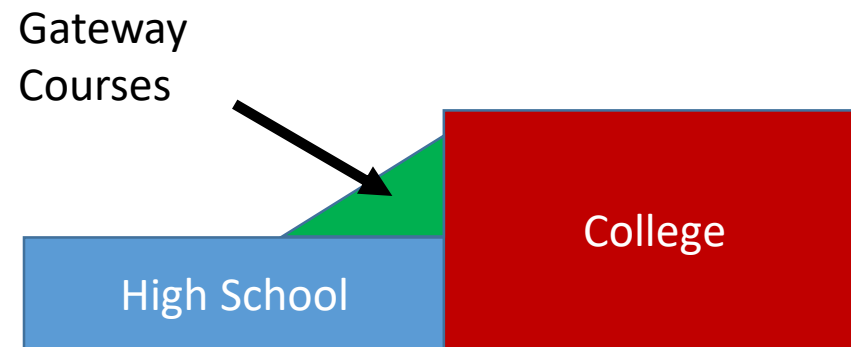
# What is the problem?

- Paying for College
  - Finishing in 4 years?
- Preparing for College
  - Students choosing courses based on availability rather than applicability?
  - Advising
- Transition can be daunting



# Solution

- Communication between college programs and high school
- Gateway Course Guides



# Gateway course guide for BS in biology at RIC

- **General Education**

- First Year Writing
- Second language
- Social and Behavioral
- Mathematics

- **Major**

- Introductory Biology I and II
- General Chemistry I and II
- Precalculus Mathematics

# Gateway Course Guide

- Possible example based on RIC BS in Biology
- Ideally online
  - Ritransfers.org?



**GENERAL EDUCATION:** A complete listing of General Education courses can be found at the Office of Academic Support and Information Services (OASIS) or online at <https://www.ric.edu/recordsoffice/catalog.php>; look at catalog for year you enrolled. For Gen Ed courses, aside from Second Language requirement, which varies depending on where you are placed, you need ONE course from each category. Second Language 101/102 options are: American Sign, Arabic, French, German, Italian, Japanese, Latin, Portuguese, or Spanish. For other ways to satisfy the second language requirement look under the Gen Ed. section of the catalog. Any courses marked (F) offered Fall only; (Sp) Spring; (Su) Summer (some with session number included). All courses marked with an asterisk \* have a prerequisite.

Academic Major Checklist	Course	Academic Major Checklist	Course
BIOL 111 Introductory Biology I*		TWO 300 level or above BIOL (one of these may consist of three or more credits in BIOL 491-494 Research*)	
BIOL 112 Introductory Biology II*		CHEM 103 General Chemistry I* (F, Sp, Su)	
BIOL 213 Intro. Physiology of Plants and Animals (Sp)*		CHEM 104 General Chemistry II* (Sp, Su)	
BIOL 221 Genetics (F)*		CHEM 205 Organic Chemistry I* (F, Su)	
BIOL 241 Biology Research Colloquium* x 2		CHEM 206 Organic Chemistry II* (Sp, Su)	
BIOL 318 Ecology (F)*		MATH 240 or BIOL 240 Statistics*	
BIOL 320 Cell and Molecular Biology (Sp)*		MATH 209 or MATH 212 (Pre)Calculus*	
BIOL 460 Biology Senior Seminar*		PHYS 101 and PHYS 102* (Sp, Su) Gen. Physics I & II or PHYS 200 Mechanics* and PHYS 201 Electricity & Magnetism*	
ONE from BIOL 300 Developmental Biology of Animals (Sp)*, 321 Invertebrate Zoology*, 324 Vertebrate Zoology*, 329 Comparative Vertebrate Anatomy*, 353 The Plant Kingdom*, or 354 Plant Growth and Development*			

The above list includes the courses required to earn a BS degree in Biology from Rhode Island College in conjunction with the courses in the general education program and a total of 120 credits. Gateway courses that you may complete while in High School which directly substitute for courses in the Biology major include:

**GATEWAY COURSES AVAILABLE to HS STUDENTS**

RIC Required Course	HS equivalents
BIOL 111 Introductory Biology I BIOL 112 Introductory Biology II	EEP BIOL 111 + 112 AP Biology with 3 or better on Exam CLEP Biology
CHEM 103 General Chemistry I CHEM 104 General Chemistry II	EEP CHEM 103 + 104 AP Chemistry with 3 or better on Exam CLEP Chemistry
PHYS 101 General Physics I PHYS 102 General Physics II	EEP PHYS 101 + 102 AP Physics with 3 or better on Exam CLEP Physics
MATH 209 Precalculus Mathematics or MATH 212 Calculus I	EEP MATH 209 or MATH 212 AP Calculus CLEP Calculus

# Who?

- College Academic Chairs
  - At the forefront of dealing with incoming students
  - Familiar with the curricula
  - Control over concurrent enrollment courses
- HS Guidance
- RIDE/OPC



# Discussion Topics

- Are HS students ready to take college courses?
- Do concurrent enrollment courses provide college level rigor?
- Do concurrent enrollment courses provide college preparatory experiences?
- Do professional graduate programs accept these courses?
- How do we make it happen?