**Sequencing Science Courses**

**How should students choose their science courses?**

**Biology I**

Graduation Requirement – Complete it by junior year

**Biology II – Will not be offered in 2016-’17 ( PLTW PBS will continue to be offered)**

Students who are interested in a life sciences career, allied health/medical career could benefit from this course. Anyone truly interested in life/environment would benefit from this course. **This is not an Anatomy / Physiology course.** It is truly a continuation of Biology I with more in-depth study of cellular biology and ecology topics. Students looking for a human anatomy course should enroll in Advanced Health Topics. Students interested in Veterinary Medicine could benefit from the course, but should really try to enroll in the Animal Sciences course through the Ag. Department.

**Project Lead The Way (PBS)**

Students interested in the biomedical sciences should enroll in this course. It is managed fully online and involves very little lecture. Project-based with a hand-on approach. Students will need to be well-versed in using computer programs and software. College dual credit at IUPUI is offered if minimum ECA score is achieved.

**Chemistry I**

Students interested in any science related career should take at least the first year of chemistry. Chemical (or other) engineering students should also obviously take this course. Pharmacy career students should also enroll in this course as well as Chemistry II.

**Chemistry II -- Will not be offered in 2016-17 (Continue with ACP Chemistry)**

See Chemistry I

**ACP Chemistry**

2015-16 will be the first school year that this dual credit course will be offered. Any student that is interested in college credit or would have enrolled in Chemistry II should be taking this course. Strong emphasis will be placed on mathematical concepts, as well as, conceptual concepts of chemistry. Laboratory work will be a major part of this course. Any student focusing on majoring in the sciences in college should strongly consider signing up for this course.

**Integrated Chemistry / Physics (2 term course – Term A = Physics / Term B =Chemistry)**

Vocational students, as well as, those that are more than likely going into the work force after graduation should enroll in these courses to meet science requirements for graduation. Students interested in mechanics, engineering and CAD/Architecture could also benefit from this real-world class **before** taking higher level Chemistry and Physics courses. This course **should not** be scheduled the senior year unless approved by instructor. **No students may enroll** in ICP if they have already had chemistry I or Physics I

**Physics I**

All engineering students definitely need to enroll in this course. Math-based careers CAD/Architecture could also benefit from having this on their transcripts.

**Earth/Space I & II**

Vocational students, as well as, those that are more than likely going into the work force after graduation should enroll in this course to meet science requirements for graduation. Obviously, if a student had an interest in geology or meteorology as a career choice they would want to enroll in these courses. These would also make excellent choices for students who have an interest in learning about the earth and solar system.

**Astronomy**

See Earth/Space I & II above.