Fall Semester Plan A (for students who meet the following criteria)

Math:

- **A final grade of A in a high school Precalculus class AND**
- **Either a 670 or higher on the SAT math or 29 or better on the ACT math subscore.**

***Students who have taken high school or college PreCalculus Algebra and Trigonometry must consult with the advisor.**

Chemistry:

- **A final grade of C- or higher in Pre-Calculus (MATH 1413) OR**
- **One year of High School Chemistry AND a raw score of 36 on the Chemistry Placement Exam**

***SEU will administer the chemistry placement exam to test students' readiness for Gen. Chem -** The exam is to determine students readiness for Gen. Chem. I. It is only for those who have have had high school chemistry or have taken Calculus in high school but are unable to get into Gen. Chem because of their ACT/SAT score.

Required Biology core coursework with a minimum of a C- average in each course for the biology majors and a B- average for the biochemistry major

- MATH 2144 Calculus I
- BIOL 1233 Biology I and Biology I lab BIOL 123L
- BIOL 1243 Biology II and Biology II lab BIOL 124L
- CHEM 1533 General Chemistry I and General Chemistry I lab CHEM 153L (Fall)
- CHEM 1633 General Chemistry II and General Chemistry II lab (Spring)

1. A student who has accumulated more than one (1) grade below a C minus (including grades of WF) in the course sequence BIOL 1233, BIOL 1243, CHEM 1533 and CHEM 1633 at Southeastern University or elsewhere, whether repeated or not, will not be permitted to continue in that major.
2. A student who does not complete MATH 2144 Calculus I by the end of the Sophomore year (4th semester) with a grade of C minus or higher at Southeastern University or elsewhere, whether repeated or not, will not be permitted to continue in the major.
3. A student who has accumulated three (3) or more grades below C minus (including grades of WF) in any of the following Math courses (MATH 2144 or MATH 2023) or Chemistry courses (CHEM 1533, CHEM 1633, CHEM 2133 or CHEM 2143) taken for college credit at Southeastern University or elsewhere, whether repeated or not, will not be permitted to continue in the major.

Students not meeting the prerequisite will be required to meet with their advisor first and then the Department Chair. A sub-committee made up of the advisor, Chair and/or Dean will notify the student on whether they are allowed to enroll in junior courses.

Appeal Process

1. If the student has been denied enrollment into junior level courses due to not meeting the prerequisites by the end of their sophomore year, the student may make a written appeal to the Chair for reconsideration.
2. The student will be notified as to the decision of the Chair.
3. If Chair appeal is denied, the student may appeal to the Dean of CNHS.

If the student's appeal is approved, the student must successfully complete and pass the courses in the junior fall semester. Failing to complete Calculus I by the junior fall semester will result in the student not being allowed to enroll in CHEM 2143.

- Student must meet with their academic advisor every semester
- Student must follow the 4-year plan
- Student must follow up on the plan of action listed during the meeting
- Student must have a career goal (critical to the advising process).

Transient Policies (All requests for major courses need chair approval):

- Many medical schools have a policy stating that the student must make every effort to take the majority of their courses at the degree-conferring institution. Keeping this in mind, students seeking a degree in biology must limit the major courses they want to take as a transient student.
- Students may transfer in or take Foundational Core courses or Biology Core courses including BIOL 1233. BIOL 1243, CHEM 1533, CHEM 1633 and MATH 2144 as a transient student if they want to stay on track in the program.
- Students will not be allowed to take junior and senior level biology, chemistry and physics courses as a transient student
    - if the course is being offered at Southeastern
    - If it is a specialization course that can be replaced with a different specialization course

Online course policies (All requests for major courses need chair approval):

- SEU does not offer major courses online.
- Online major courses (biology, chemistry and physics, mathematics) are not accepted or allowed for our degrees because medical schools/dental schools do NOT accept online credits. Even if schools accept online course credits, they prefer on-site or in-person credits.
- A student appealing to transfer in online credits or take an online course to satisfy the degree requirements is taking complete responsibility for doing so at their own risk.
- https://students-residents.aamc.org/media/6991/download
- https://students-residents.aamc.org/medical-school-admission-requirements/medical-school-admission-requirements-msar-applicants

For internal reference, Harvard's policy is at the link below. I used some of their wording.
https://meded.hms.harvard.edu/admissions-prerequisite-courses

Acadeum: Students should not be taking a course through Acadeum unless there is no other option. The options are

1. Course can be taken at SEU when it is offered
2. It is a foundational core course
3. Student is not graduating immediately and therefore has time to take the course.
4. Student is graduating, needs the course and a DR can be offered.

AP credits:

- AP credits - if students scored a 4 or 5 on the respective AP test, students will not need to take the course.

- However, if students have earned college credit for biology through AP coursework as per the equivalency chart pasted below, upper level courses in biology will satisfy this requirement.
- For example, if the student has received AP credit for Biology I and the lab, the student may take Cell and Molecular Biology or Genetics and the lab to satisfy these med school requirements.
- Or if the student has received AP credit for Calc. I, they must take Calc. II to satisfy the medical school requirements.
- If the student is not going into medical school, then their AP credits will satisfy their degree requirements.

Current AP equivalency chart:

Biology	**NSCI 1033/103L (4)**	**BIOL 1233/123L (4)**	**BIOL 1233/123L and BIOL 1243/124L (8)**
Internal Course Codes	*APCR 1007 (NSCI 1033)*	*APCR 2007 (BIOL 1233)*	*APCR 3007 (BIOL 1233)*
and	*and APCR 1008 (NSCI 103L)*	*and APCR 2008 (BIOL 123L)*	*and APCR 3008 (BIOL 123L)*
and	*N/A*	*N/A*	*and APCR 3009 (BIOL 1243)*
and	*N/A*	*N/A*	*and APCR 3010 (BIOL 124L)*

Calculus BC	**MATH 2144 (4)**	**MATH 2144 and MATH 2244 (8)**	**Same as 4 (8)**
Internal Course Codes	*APCR 1012*	*APCR 2012 (MATH 2144)*	*APCR 3012 (MATH 2144)*
and	*N/A*	*and APCR 2013 (MATH 2244)*	*and APCR 3013 (MATH 2244)*

IB credits:

The IB equivalency chart is pasted below.

IB Exam Title	**IB Score of 4**	**IB Score of 5-7**
Biology (SL)	**NSCI 1033 (3 cr) & NSCI 103L (1 cr)**	**Same**
Internal Course Codes	*IBCR 1001 (NSCI 1033)*	
and	*and IBCR 1002 (NSCI 103L)*	
Biology (HL)	**NSCI 1033 (3 cr) & NSCI 103L (1 cr)**	**NSCI 1033 (3 cr) & NSCI 103L (1 cr) & BIOL 1233 (3 cr) & BIOL 123L (1 cr)**
Internal Course Codes	*IBCR 1003 (NSCI 1033)*	*IBCR 2003 (NSCI 1033)*
and	*and IBCR 1004 (NSCI 103L)*	*and IBCR 2004 (NSCI 103L)*
and	*N/A*	*and IBCR 2005 (BIOL 1233)*
and	*N/A*	*and IBCR 2006 (BIOL 123L)*

Chemistry	**CHEM 1213 (3 cr) & CHEM 121L (1 cr)**	**CHEM 1213 (3 cr) & CHEM 121L (1 cr) & CHEM 1533 (3 cr) & CHEM 153L (1 cr)**
Internal Course Codes	*IBCR 1009 (CHEM 1213)*	*IBCR 2009 (CHEM 1213)*
and	*IBCR 1010 (CHEM 121L)*	*and IBCR 2010 (CHEM 121L)*
and	*N/A*	*and IBCR 2011 (CHEM 1533)*
and	*N/A*	*and IBCR 2012 (CHEM 153L)*