

Advisement Facts: Division of Science and Mathematics (Revised 6/2009)

ABAC 15 2802 Moore Highway
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- It is required that all science/math majors (except Allied Health and Engineering) complete MATH 1112 or MATH 1113 in Area A. Also, secondary education majors concentrating in an area of science/math must complete MATH 1112 or MATH 1113 in Area A. Allied Health majors may take MATH 1111, 1112, 1113, or 2053 in Area A. Engineering majors must take MATH 2053 in Area A.
- Students taking a 4-credit hour math course in Area A and/or Area D will transfer the extra hour into Area F. The Board of Regents has ruled that the combination of MATH 1111 and MATH 1112 can satisfy Area A in place of MATH 1113 for Area A, but that route only results in 3 credits in Area A. Students who take MATH 1111 and MATH 1112 often need an extra hour to meet Area F requirements.
- Students with a CPC deficiency in mathematics can satisfy that requirement by making an exit score on the COMPASS or by exiting from MATH 0097/0099.
- Students needing MATH 1111 and who score below 45 on the COMPASS must take both MATH 0097 & MATH 0099 and earn a score of 45 or more on the COMPASS before taking MATH 1111.
- If an advisee exempts MATH 1111 by means of an SAT Math score of 590 (ACT 26) or above and has completed all CPC math requirements plus high school trigonometry, he/she may take MATH 1112, MATH 1113, or MATH 2003. If the student has not completed high school trigonometry, he/she should take MATH 1112. Upon completion of the course with a grade of "C" or better, credit will be given for MATH 1111. If the advisee has an SAT Math score of 630 (ACT 31) or above and has completed all CPC math requirements plus high school trigonometry, he/she may take MATH 2053. Upon completion of the course with a grade of "C" or better, credit will be given for MATH 1113.

Course	Math Cutoff Score/High School Requirement
MATH 1101	SAT Math 480 (ACT 20) or Compass Math 45
MATH 1111	SAT Math 480 (ACT 20) or Compass Math 45
MATH 1112	SAT Math 590 (ACT 26)
MATH 1113	SAT Math 590 (ACT 26) + High School Trigonometry
MATH 2053	SAT Math 630 (ACT 28) + High School Trigonometry

- MATH 2003, Applied Calculus, is a course designed for business majors only and will not count in any other curriculum; likewise, MATH 2008 (Foundations of Numbers and Operations), is a course designed for education majors only.
- PHYS 2211/2211L, PHYS 2212/2212L, CHEM 2040/2040L, and CHEM 2041/2041L are not normally taught in the summer semester, and students should be advised accordingly.
- BIOL 2107/2107L, 2108/2108L; CHEM 1211/1211L, 1212/1212L; PHYS 1111/1111L, 1112/1112L; and PHYS 2211/2211L, 2212/2212L are courses that will satisfy the two-semester laboratory sequence required in Area D2 (science majors) of the Core Curriculum. The courses selected should be based on later requirements of the major, any CPC requirements, and the student's interest.
- CHEM 1211/1211L, 1212/1212L or PHYS 1111/1111L, 1112/1112L or PHYS 2211/2211L, 2212/2212L are courses that will satisfy the two-semester laboratory sequence required in Area D2B (allied health majors) of the Core Curriculum. The courses selected should be based on later requirements of the major, any CPC requirements, and the student's interest.
- BIOL 2011-2012 and BIOL 2050 are NOT acceptable for graduation in Area D but count in Area F for a variety of majors.
- Courses such as BIOL 1003/1003L and 1004/1004L; BIOL 2107/2107L and 2108/2108L; BIOL 2011/2011L and 2012/2012L; CHEM 1211/1211L and 1212/1212L; CHEM 2040/2040L and 2041/2041L; PHYS 1111/1111L and 1112/1112L; PHYS 2211/2211L and 2212/2212L are related courses. Students should take related lab courses in succession when possible, rather than allowing a semester or more between them.
- ISCI 2001, Life and Earth Science for Elementary Teachers, and ISCI 2002, Physical Science for Elementary Teachers, are ONLY for Early Childhood Education majors (for Area F).

- Students should complete all courses in a lab sequence at ABAC, rather than beginning a sequence to be completed at another institution. Students should consider their overall requirements and plan their lab courses accordingly. This can be best accomplished by working out a two-year schedule with their advisors. Otherwise, the student might need several lab courses in the same term, creating an awkward and scholastically difficult semester.
- Science and math majors need to check with their advisors about which lab courses are appropriate for their majors in Area D, particularly in any areas (such as mortuary science, chiropractic, astronomy, or geology) not listed in the ABAC catalog.

Course	Semesters Offered*	*Co- & Prerequisites	*Summer offerings vary with enrollment.
MATH 0097	Fall, Spring		
MATH 0099	Fall, Spring	MATH 0097 (C or better)	
MATH 1101	Fall, Spring	READ 0099, if required	
MATH 1111	Fall, Spring	READ 0099, if required	
MATH 1112	Fall, Spring	MATH 1111 (C or better)	
MATH 1113	Fall, Spring	MATH 1111 or MATH 1112 (C or better) *See chart on previous page.	
MATH 2000	Fall, Spring	MATH 1101 or MATH 1111 (C or better)	
MATH 2003	Fall, Spring	MATH 1111 (C or better)	
MATH 2008	Fall, Spring	MATH 1101 or MATH 1111 (C or better)	
MATH 2053	Fall, Spring	MATH 1112 or MATH 1113 (C or better)	
MATH 2054	Fall, Spring	MATH 2053 (C or better)	
MATH 2055	Spring	MATH 2054 (C or better)	
MATH 2208	Spring	MATH 2053 (C or better)	
BIOL 1003/L	Fall, Spring	ENGL 0099 <u>and</u> READ 0099, if required	
BIOL 1004/L	Fall, Spring	BIOL 1003/L (C or better); BIOL 1004/L is co-requisite for BIOL 1004	*NOTE: Most lab and lecture science classes are co-requisites for one another (exception: SCIE 1005/L); in a given semester, students <u>must</u> register for the same instructor for any lecture and (corresponding) lab courses.
BIOL 2011/L	Fall, Spring		
BIOL 2012/L	Fall, Spring	BIOL 2011/L (C or better)	
BIOL 2026/L	Spring	BIOL 2108/L or BIOL 2012/L (C or better)	
BIOL 2050/L	Fall, Spring	BIOL 2107/L or BIOL 2012/L (C or better)	
BIOL 2107/L	Fall, Spring		
BIOL 2108/L	Fall, Spring	BIOL 2107/L (C or better)	
CHEM 1211/L	Fall, Spring	Co-requisite: MATH 1111	
CHEM 1212/L	Fall, Spring	CHEM 1211/L (C or better) <u>and</u> MATH 1111 (C or better)	
CHEM 2040/L	Fall	CHEM 1212/L (C or better)	
CHEM 2041/L	Spring	CHEM 2040/L (C or better)	
ISCI 2001	Fall, Spring	MATH 1101 or MATH 1111 (C or better) <u>and</u> SCIE 1005/L (C or better)	
ISCI 2002	Fall, Spring	MATH 1101 or MATH 1111 (C or better) <u>and</u> PHSC 1011/L (C or better)	
PHSC 1011/L	Fall, Spring	MATH 1101 or MATH 1111 (C or better)	
PHSC 1012/L	Spring	Co-requisite: MATH 1101 or MATH 1111	
PHYS 1111/L	Fall, Spring	MATH 1112 or MATH 1113 (C or better)	
PHYS 1112/L	Spring	PHYS 1111/L (C or better)	
PHYS 2211/L	Fall	MATH 2053 (C or better)	
PHYS 2212/L	Spring	PHYS 2211/L (C or better)	
SCIE 1003	Fall, Spring		
SCIE 1005/L	Fall, Spring	PHSC 1011/L, PHSC 1012/L, BIOL 1003/L, or BIOL 2017/L (C or better)	
SCIE 1005H/L	Fall, Spring	PHSC 1011/L, PHSC 1012/L, BIOL 1003/L, or BIOL 2017/L (C or better)	
SCIE 1006	Fall	PHSC 1011/L, PHSC 1012/L, BIOL 1003/L, or BIOL 2017/L (C or better)	
SCIE 1007	Spring	PHSC 1011/L or PHSC 1012/L (C or better)	