

Applied Math for the Life & Social Sciences Course List - Fall 2018

ASU School of Human Evolution and Social Change

Advising website: <https://shesc.asu.edu/advising> • E-mail: shesc.undergrad@asu.edu

Last updated 03/26/2018. Subject to change. Please check the Fall 2018 schedule of classes for latest updates.

	Requirement	Course	Title	Units	Dates	Days	Start	End	General Studies*	Instructor
Substitution option for AML100	Intro Class*	ASB 100	Intro to Global Health	3	Varies	Varies	Varies	Varies	SB & G	Varies
	Intro Class*	ASB 101	Anthropology: Understanding Human Diversity	3	08/16 - 11/30 (C)	T Th	1:30 PM	2:45 PM	SB	Hill
	Intro Class*	CSE 120	Digital Design Fundamentals	3	08/16 - 11/30 (C)	Varies	Varies	Varies		Varies
	Intro Class*	SOS 101	Intro to Applied Math for the Life & Social Sciences	3	Varies	Varies	Varies	Varies	MA	Varies
	Intro Class*	MAT 243	Discrete Math Structures	3	08/16 - 11/30 (C)	Varies	Varies	Varies		Varies
	Math Modeling**	AML 253	Intro to Applied Math Tools & Modeling for Life and Social Sciences	3	08/16 - 11/30 (C)	T Th	10:30 AM	11:45 AM		Lampert
	Capstone**	AML 406	Directed Reading & Research for Applied Math	3	08/16 - 11/30 (C)	TBD	TBD	TBD		Staff
	Life Sciences*	ASB 494	Topic: Applied Epidemiology	3	08/16 - 11/30 (C)	M W	9:00 AM	10:15 AM		Jehn
	Life Sciences	BCH 361	Principles of Biochemistry	3	Varies	Varies	Varies	Varies		Varies
	Life Sciences*	BIO 302	Cancer-Mother of All Diseases	3	08/16 - 11/30 (C)	M W	4:35 PM	5:50 PM	L	Compton
	Life Sciences	BIO 320	Fundamentals of Ecology	3	Varies	Varies	Varies	Varies		Varies
	Life Sciences	BIO 415	Biometry	4	08/16 - 11/30 (C)	Varies	Varies	Varies		Pratt
	Life Sciences*	EXW 444	Epidemiology	3	10/10 - 11/30 (B)	iCourse	iCourse	iCourse		Ainsworth
	Life Sciences*	HCD 300	Biostatistics (also listed as PBH 300)	3	08/16 - 11/30 (C)	Varies	Varies	Varies	CS	Varies
	Social Sciences*	ASB 316	Money and Culture	3	08/16 - 11/30 (C)	T Th	3:00 PM	4:15 PM	L or SB	York
	Social Sciences*	ASB 494	Topic: Applied Epidemiology	3	08/16 - 11/30 (C)	M W	9:00 AM	10:15 AM		Jehn
	Social Sciences*	EXW 444	Epidemiology	3	10/10 - 11/30 (B)	iCourse	iCourse	iCourse		Ainsworth
	Social Sciences*	GCU 350	The Geography of World Crises	3	08/16 - 11/30 (C)	W	4:50 PM	7:35 PM	SB & G	Larson
	Social Sciences	GCU 496	Geographic Research Methods	3	08/16 - 11/30 (C)	T Th	3:00 PM	4:15 PM	L	Staff
	Social Sciences*	GIS 205	Geographic Information Science I	3	08/16 - 11/30 (C)	M W	3:05 PM	4:20 PM	CS	Myint
	Social Sciences	GIS 341	Intro to Cartography and Georepresentation	3	08/16 - 11/30 (C)	T Th	10:30 AM	11:45 AM	CS	Trapido-Lurie
	Social Sciences*	GIS 461	Optimization Fundamentals for Spatial Analysis	3	08/16 - 11/30 (C)	T	Noon	2:45 PM		Tong
	Social Sciences	JUS 301	Research in Justice Studies	3	Varies	Varies	Varies	Varies	SB	Varies
	Social Sciences	JUS 302	Statistical Analysis for Justice Studies	3	Varies	Varies	Varies	Varies	CS	Varies
	Social Sciences	POS 301	Empirical Political Inquiry	3	Varies	Varies	Varies	Varies	SB	Varies
	Social Sciences	POS 401	Political Statistics	3	Varies	Varies	Varies	Varies	CS	Varies
	Social Sciences	SOC 390	Social Statistics I	3	08/16 - 11/30 (C)	Varies	Varies	Varies	CS	Varies
	Social Sciences	SOC 391	Research Methods	3	08/16 - 11/30 (C)	T Th	Varies	Varies	L or SB	Varies
Applied Math	MAT 300	Mathematical Structures	3	08/16 - 11/30 (C)	Varies	Varies	Varies	L	Varies	
Applied Math	MAT 343	Applied Linear Algebra (preferred class: also fulfills AMLSS pre-req)	3	08/16 - 11/30 (C)	Varies	Varies	Varies		Varies	
Applied Math	MAT 371	Advanced Calculus I	3	08/16 - 11/30 (C)	Varies	Varies	Varies		Varies	
Applied Math*	MAT 394	Topic: Mathematics and Climate	3	08/16 - 11/30 (C)	M W	4:35 PM	5:50 PM		Kostelich	
Applied Math	MAT 451	Mathematical Modeling	3	08/16 - 11/30 (C)	M W	9:00 AM	10:15 AM	CS	Crook	
Applied Math*	MAT 494	Topic: An Intro to Complex Adaptive Systems	3	08/16 - 11/30 (C)	T Th	9:00 AM	10:15 AM		Kang	
Elective	ASM 201	Epidemics and Outbreaks	3	08/16 - 10/05 (A)	iCourse	iCourse	iCourse		Jehn	
Elective	STP 226	Elements of Statistics	3	Varies	Varies	Varies	Varies	CS	Varies	
Elective	STP 231	Statistics for Biosciences	3	08/16 - 11/30 (C)	Varies	Varies	Varies	CS	Varies	
Elective***	STP 420	Introductory Applied Statistics	3	08/16 - 11/30 (C)	Varies	Varies	Varies	CS	Varies	
Elective***	STP 421	Probability	3	08/16 - 11/30 (C)	T Th	Varies	Varies		Varies	

* If enrolling in one of these classes, please contact your SHESC advisor once you have registered to have that course "placed" on your DARS.

** Department consent needed to enroll. E-mail shesc.undergrad@asu.edu to request an override & please be sure to include your 10-digit ASU ID # in that request e-mail

*** These are the required courses for the catalog year 2016 forward. Those in previous catalog years can choose from any of the available 'Elective' courses