

Applied Math for the Life & Social Sciences Course List - Fall 2023
ASU School of Human Evolution and Social Change

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

Last updated 02/22/2023. **Subject to change.** Please check the Fall 2023 schedule of classes for latest updates.

Requirement	Course	Title	Units	Dates	Days	Start	End	General Studies*	Instructor
Intro Class	SOS 101	Introduction to Applied Mathematics for the Life and Social Sciences	3	A, B & C	Varies	Varies	Varies	MA	Various
AML 253	AML 253	Intro to Mathematical Tools & Modeling for the Life and Social Sciences***	3	08/17 - 12/01 (C)	T Th	10:30 AM	11:45 AM		Staff
Life Sciences	BIO 302	Cancer--Mother of All Diseases	3	08/17 - 12/01 (C)	M W	4:30 PM	5:45 PM	L	Compton
	BIO 321	Introductory Ecology Laboratory	2	10/11 - 12/01 (B)	iCourse	iCourse	iCourse		Ziemmeck
	BIO 494	Topic: Bioscience Data Carpentry in R**	3	08/17 - 12/01 (C)	T Th	1:30 PM	2:45 PM		Cartwright
	HCD 300	Biostatistics	3	08/17 - 12/01 (C)	Varies	Varies	Varies	CS	Various
Social Sciences	ASB 316	Money and Culture	3	08/17 - 12/01 (C)	M W	1:30 PM	2:45 PM	L or SB	York
	ASM 463	A Practical Guide to Bayesian Data Analysis	3	08/17 - 12/01 (C)	T Th	1:30 PM	2:45 PM		Morgan
	HEP 444	Epidemiology**	3	10/11 - 12/01 (B)	iCourse	iCourse	iCourse		Adams
	JUS 301	Research in Justice Studies	3	A & B	iCourse	iCourse	iCourse	SB	Various
	JUS 302	Statistical Analysis for Justice Studies	3	B & C	Varies	Varies	Varies	CS	Various
	POS 301	Empirical Political Inquiry (also SGS 305)	3	A & C	Varies	Varies	Varies	SB	Various
	POS 401	Political Statistics (also SGS 401)	3	B & C	Varies	Varies	Varies	CS	Various
	SOC 390	Social Statistics I	3	08/17 - 12/01 (C)	Varies	Varies	Varies	CS	Various
	SOC 391	Research Methods	3	08/17 - 12/01 (C)	T Th	Varies	Varies	L or SB	Various
SOC 448	Epidemics and Society	3	08/17 - 12/01 (C)	T Th	Noon	1:15 PM	SB & G	Sheehan	
Applied Math	DAT 301	Exploring Data in R and Python**	3	08/17 - 12/01 (C)	T Th	Varies	Varies		Various
	MAT 300	Mathematical Structures	3	08/17 - 12/01 (C)	Varies	Varies	Varies	L	Various
	MAT 343	Applied Linear Algebra (preferred class: also fulfills AMLS per-requisite)**	3	A & C	Varies	Varies	Varies		Various
	MAT 355	Introduction to Computational Molecular Biology (also BIO 355)	3	08/17 - 12/01 (C)	M W	1:30 PM	2:45 PM	CS	Zhu
	MAT 371	Advanced Calculus I	3	08/17 - 12/01 (C)	T Th	Varies	Varies		Various
	MAT 394	Topic: Introduction to Scientific Computing (at Polytechnic Campus)**	3	08/17 - 12/01 (C)	T Th	10:30 AM	11:45 AM		Zheng
	MAT 451	Mathematical Modeling	3	08/17 - 12/01 (C)	T Th	Noon	1:15 PM	CS	Crook
	MAT 494	Topic: An introduction to Complex Adaptive Systems (at Poly Campus)**	3	08/17 - 12/01 (C)	T Th	10:30 AM	11:45 AM		Kang
MAT 494	Topic: Mathematical Methods in Data Science**	3	08/17 - 12/01 (C)	iCourse	iCourse	iCourse		Wang	

* For more information about General Studies requirements, please see: https://catalog.asu.edu/ug_gsr

** If enrolling in one of these classes, please e-mail shesc.undergrad@asu.edu once you have registered to have that course "placed" on your DARS.

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