

**Applied Math for the Life & Social Sciences Course List - Spring 2018**  
**ASU School of Human Evolution and Social Change**

Advising website: <https://shesc.asu.edu/undergraduate-experience/academic-advising> • E-mail: [shesc.undergrad@asu.edu](mailto:shesc.undergrad@asu.edu)

Last updated 10/19/2017. Subject to change. Please check the Spring 2018 schedule of classes for latest updates: <https://webapp4.asu.edu/catalog/>.

Requirement	Course	Title	Units	Dates	Days	Start	End	GS	Instructor	
Substitute options*	Intro Class	SOS 101	Intro to Applied Math for the Life & Social Sciences	3	Various	Various	Various	MA	Various	
	Intro Class or Math Modeling	ASB 100	Intro to Global Health	3	Various	Various	Various	SB & G	Various	
	Intro Class or Math Modeling	ASB 101	Anthropology: Understanding Human Diversity	3	01/08 - 04/27 (C)	T Th	1:30 PM	2:45 PM	SB	Hill
	Intro Class or Math Modeling	ASB 394	Topic: From Cells to Societies (also SOS 394 & BIO 394)	3	01/08 - 02/27 (A)	iCourse	iCourse	iCourse		Anderies
	Intro Class or Math Modeling	CSE 120	Digital Design Fundamentals	3	01/08 - 04/27 (C)	Various	Various	Various		Various
	Intro Class or Math Modeling	MAT 243	Discrete Math Structures	3	Various	Various	Various	Various		Various
	Capstone**	AML 406	Directed Reading and Research in AMLSS	3	01/08 - 04/27 (C)	TBD	TBD	TBD		Mubayi
	Life Sciences*	ASB 394	Topic: From Cells to Societies (also SOS 394 & BIO 394)	3	01/08 - 02/27 (A)	iCourse	iCourse	iCourse		Anderies
	Life Sciences	BCH 361	Principles of Biochemistry	3	01/08 - 04/27 (C)	Various	Various	Various		Various
	Life Sciences*	BIO 302	Cancer-Mother of All Diseases	3	01/08 - 04/27 (C)	M W	4:35 PM	5:50 PM	L	Compton
	Life Sciences	BIO 320	Fundamentals of Ecology	3	01/08 - 04/27 (C)	Various	Various	Various		Various
	Life Sciences*	BIO 355	Introduction to Computational Molecular Biology	3	01/08 - 04/27 (C)	M W	12:15 PM	1:30 PM	CS	Crook
	Life Sciences	BIO 410	Techniques in Conservation Biology and Ecology	3	01/08 - 04/27 (C)	T	Noon	12:50 PM	L	Throop
	Life Sciences	BIO 423	Population & Community Ecology	3	01/08 - 04/27 (C)	T Th	9:00 AM	10:15 AM		Blonder
	Life Sciences*	EXW 444	Epidemiology	3	Various	Various	Various	Various		Various
	Life Sciences*	HCD 300	Biostatistics (also listed as PBH 300)	3	01/08 - 04/27 (C)	T Th	10:30 AM	11:45 AM	CS	Kizer
	Life Sciences*	MAT 494	Topic: Data Analysis in Neuroscience (also listed as BIO 494)	3	01/08 - 04/27 (C)	M W	9:00 AM	10:15 AM		Gerkin
	Social Sciences*	ASB 394	Topic: From Cells to Societies (also SOS 394 & BIO 394)	3	01/08 - 02/27 (A)	iCourse	iCourse	iCourse		Anderies
	Social Sciences	ASM 465	Quantification and Analysis for Anthropologists	3	01/08 - 04/27 (C)	T Th	3:00 PM	4:15 PM	CS	Abbott
	Social Sciences*	ASM 494	Topic: Bayesian Statistics in Theory and Practice	3	01/08 - 04/27 (C)	M W F	2:00 PM	2:50 PM		Morgan
	Social Sciences*	EXW 444	Epidemiology	3	Various	Various	Various	Various		Various
	Social Science*	GCU 350	The Geography of World Crises	3	01/13 - 05/02 (C)	W	4:50 PM	7:35 PM	SB & G	Larson
	Social Science*	GCU 351	Population Geography	3	01/13 - 05/02 (C)	T Th	10:30 AM	11:45 AM	SB & G	Larson
	Social Sciences*	GCU 441	Economic Geography	3	01/08 - 04/27 (C)	T Th	10:30 AM	11:45 AM	SB	O'Huallachain
	Social Sciences	GCU 496	Geographic Research Methods	3	01/08 - 04/27 (C)	M W	3:05 PM	4:20 PM	L	Hondula
	Social Sciences	GIS 205	Geographic Information Technologies	3	01/08 - 04/27 (C)	M W	3:05 PM	4:20 PM	CS	Fotheringham
	Social Sciences	GIS 341	Intro to Cartography and Georepresentation	3	03/12 - 04/27 (B)	iCourse	iCourse	iCourse	CS	Trapido-Lurie
Social Sciences*	GIS 461	Optimization Fundamentals for Spatial Analysis	3	01/08 - 04/27 (C)	T Th	9:00 AM	10:15 AM		Tong	
Social Sciences	GIS 470	Statistics for Geographers	3	01/08 - 04/27 (C)	Various	Various	Various	CS	Various	
Social Science	JUS 301	Research in Justice Studies	3	Various	Various	Various	Various	SB	Various	
Social Science	JUS 302	Statistical Analysis for Justice Studies	3	Various	Various	Various	Various	CS	Various	
Social Science	POS 301	Empirical Political Inquiry	3	Various	Various	Various	Various	SB	Various	
Social Science	POS 401	Political Statistics	3	Various	Various	Various	Various	CS	Various	
Social Science	POS 485	Political Economy	3	Various	Various	Various	Various	SB	Various	
Social Science	SOC 331	Environmental Sociology	3	01/08 - 04/27 (C)	T Th	Noon	1:15 PM	SB & G	Keahey	
Social Science	SOC 390	Social Sciences Statistics I	3	01/08 - 04/27 (C)	Various	Various	Various	CS	Various	
Social Science	SOC 391	Research Methods	3	01/08 - 04/27 (C)	Various	Various	Various	L or SB	Various	
Applied Math	MAT 300	Mathematical Structures	3	01/08 - 04/27 (C)	Various	Various	Various	L	Various	
Applied Math	MAT 343	Applied Linear Algebra	3	Various	Various	Various	Various		Various	
Applied Math	MAT 355	Introduction to Computational Molecular Biology	3	01/08 - 04/27 (C)	M W	12:15 PM	1:30 PM	CS	Crook	
Applied Math	MAT 371	Advanced Calculus I	3	01/08 - 04/27 (C)	Various	Various	Various		Various	
Applied Math*	MAT 421	Applied Computational Methods	3	01/08 - 04/27 (C)	Various	Various	Various	CS	Various	
Applied Math	MAT 451	Mathematical Modeling	3	01/08 - 04/27 (C)	Various	Various	Various	CS	Various	
Applied Math**	MAT 494	Topic: Data Analysis in Neuroscience (also listed as BIO 494)	3	01/08 - 04/27 (C)	M W	9:00 AM	10:15 AM		Gerkin	
Electives* ***	ASB 394	Topic: From Cells to Societies (also SOS 394 & BIO 394)	3	01/08 - 02/27 (A)	iCourse	iCourse	iCourse		Anderies	
Electives* ***	HCD 300	Biostatistics (also listed as PBH 300)	3	01/08 - 04/27 (C)	T Th	10:30 AM	11:45 AM	CS	Kizer	
Electives***	STP 226	Elements of Statistics	3	Various	Various	Various	Various	CS	Various	
Electives***	STP 231	Statistics for Bioscience	3	01/08 - 04/27 (C)	Various	Various	Various	CS	Various	
Electives***	STP 420	Introductory Applied Statistics	3	01/08 - 04/27 (C)	Various	Various	Various	CS	Various	
Electives***	STP 421	Probability	3	01/08 - 04/27 (C)	T Th	3:00 PM	4:15 PM	CS	Sanders	

\* If enrolling in one of these classes, please contact your SHESC advisor once you have registered to have that course "placed" on your DARS. Not sure who your academic advisor is?

Please see the SHESC advising website link in the header for more info.

\*\* Capstone, if needed for Spring 2018 graduation, please contact your SHESC advisor for help enrolling.

\*\*\* These courses will fulfill requirements in the Applied Math for the Life & Social Sciences BS degree for *catalog years 2015 and earlier only*.