Kendra Spence Cheruvelil, INTERIM DEAN

The Lyman Briggs College is a residential college that bridges the science and humanities through interdisciplinary teaching and research. It provides students with a fundamental core science education in mathematics, chemistry, biology, and physics. Additionally, the core program addresses historical, philosophical, and societal concerns and consequences of modern science, technology, the environment, and medicine. Advanced undergraduate courses in the student's major are taken in the respective departmental units of the College of Natural Science, College of Engineering, College of Agriculture and Natural Resources, and the University at The majority of Lyman Briggs students pursue programs leading to advanced graduate study in the natural sciences, or professional programs related to medicine, dentistry, veterinary medicine, allied health, education or law. Many other students plan to enter careers in teaching at the secondary level, science writing, product representation, industry, or government service upon completion of their Bachelor of Science degree.

As a residential college, Lyman Briggs College has classrooms, laboratories, faculty offices, academic advisor offices, and administrative offices located in Holmes Hall, where all first year and many upper-level Lyman Briggs students live and learn. Because of this residential organization, students are able to develop a strong livinglearning community identity by integrating academic and personal development, with faculty, staff and their peers in Students are encouraged to balance their academic lives with social, cultural, athletic, service-learning, and leadership opportunities on campus and in the greater East Lansing community.

Students admitted to Michigan State University are admissible to Lyman Briggs College based initially on application date. There are no additional academic or program requirements for freshman admissions. Enrollment in the college is limited; therefore students are encouraged to apply early. Applicants should indicate their intention to become a part of the Lyman Briggs College on the Michigan State University Application for Admissions. If a student has already submitted an application and would like to apply to Lyman Briggs College, she/he should contact the Office of Admissions directly as early as possible.

Students work closely with their academic advisors and faculty in developing an individualized academic plan. All students enter the program as 'no major' status and may declare a major as early as summer orientation or by the time they have earned 56 credit hours.

Lyman Briggs College offers two minors: Bioethics; and History, Philosophy and Sociology of Science. Lyman Briggs College also participates in two minors: Entrepreneurship and Innovation; and Science, Technology, Environment, and Public Policy.

Students who are enrolled in the environmental biology/microbiology and microbiology coordinate majors in Lyman Briggs College may elect the Minor in Food Processing and Technology. For additional information, refer to the Minor in Food Processing and Technology statement in the Department of Food Science and Human Nutrition statement in the College of Agriculture and Natural Resources section of this catalog.

Admission as a Freshman to Lyman Briggs College

Any student who meets the general requirements for admission to the university as shown in the Undergraduate Education section of this catalog may enroll in Lyman Briggs College, pending available space.

Transfer Students

All students in good academic standing in Lyman Briggs College may transfer at any time to other programs at Michigan State University for which they are eligible, in order to accommodate changing academic needs and interests.

Students who wish to transfer into Lyman Briggs College should contact the Student Success and Advising Office to discuss with a recruiter. Space in Lyman Briggs College is limited.

UNDERGRADUATE PROGRAM

The Lyman Briggs College program leads to the Bachelor of Science Degree.

Requirements for the Bachelor of Science Degree in Lyman Briggs College

The University requirements for bachelor's degrees as described in the Undergraduate Education section of this University catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Lyman Briggs College.

Students who are enrolled in Lyman Briggs College may complete the alternative track to Integrative Studies in Biological and Physical Sciences that is described in item 1. under the heading Graduation Requirements in the College statement. Certain courses referenced in requirement 3. below are equivalent to courses in the alternative track and, therefore, may be used to satisfy the alternative track.

The completion of the Lyman Briggs College mathematics and statistics requirement [referenced in item 3.c.(4) below] may also satisfy the University mathematics requirement.

The completion of Lyman Briggs 133 or one of the approved alternatives [referenced in requirement 3.a.(5)(a) below] may also be counted toward the University Tier I writing requirement.

The University's Tier II writing requirement for the Major and Coordinate Majors in Lyman Briggs College is met by completing Lyman Briggs College 492 and one of the following courses: Lyman Briggs College 321A, 321B, 322A, 322B, 323A, 323B, 324A, 324B, 325A, 325B, 326A, 326B, 327A, or 327B. Those courses are referenced in items 3. a. (5) and 3. a. (6) below.

The requirements of Lyman Briggs College for the Bachelor of Science degree, referenced in item 3. a. below.

The credits earned in certain courses referenced in requirement 3. below may be counted toward College requirements as appropriate.

The following requirements of Lyman Briggs College for the Bachelor of Science degree:

CREDITS 48 to 57

CORE PROGRAM

- Biology: One of the following groups of courses
 - (8 to 10 credits):

 - Lyman Briggs 144, 145. Biological Science 181H, 191H, 182H, 192H.
 - Biological Science 161, 171, 162, 172.
- Chemistry: One of the following groups of courses (8 to 10 credits):
 - Lyman Briggs 171, 171L, 172, 172L.
 - Lyman Briggs 171, 171L; Chemistry 143 Lyman Briggs 171, 171L; Chemistry 251. Chemistry 141, 142, 161. Chemistry 141, 143, 161.

 - (d)
 - Chemistry 141, 161, 251.
 - Chemistry 151, 152, 161.
 - Chemistry 181H, 182H, 185H.
- Mathematics and Statistics: One of the following groups of courses (6 to 8 credits):
 - Lyman Briggs 118, 119.
 - Lyman Briggs 118; Statistics and Probability 231.

b.

(c) Mathematics 132, 133.	Majors
(d) Mathematics 132; Statistics and Probability 231.(e) Mathematics 152H, 153H.	CREDITS 1. Biology 41
(4) Physics : One of the following groups of courses	a. A minimum of 41 credits from the courses listed below including:
(8 to10 credits):	(1) Organic Chemistry (6 credits):
(a) Lyman Briggs 273, 274. (b) Physics 231, 232, 251, 252.	Both of the following courses:
(b) Physics 231, 232, 251, 252. (c) Physics 183, 184, 191, 192.	CEM 251 Organic Chemistry I 3 CEM 252 Organic Chemistry II 3
(d) Physics 183B, 184B, 191, 192.	(2) Biochemistry (4 to 6 credits):
(e) Physics 191, 192, 193H, 294H.	One of the following, either (a) or (b):
(5) History, Philosophy and Sociology of Science: A total of 11 or	(a) BMB 401 Comprehensive Biochemistry 4
12 credits from the courses in groups (a), (b), and (c) below.	(b) BMB 461 Advanced Biochemistry I 3 BMB 462 Advanced Biochemistry II 3
(a) One of the following courses: Lyman Briggs 133; Writing, Rhetoric and American Cultures 101.	(3) Advanced Experiential Biology (6 credits):
(b) One of the following courses: Lyman Briggs 321A, 322A,	The following course:
323A, 324A, 325A, 326A, 327A.	LB 348 Research Experiences in Biology 3
(c) One of the following courses: Lyman Briggs 321B, 322B,	At least 3 credits from the following:
323B, 324B, 325B, 326B, 327B. (6) Senior Seminar : Lyman Briggs 492 (4 credits).	LB 490B Advanced Directed Study – Biology 1 to 4 LB 493 Field Experience 1 to 4
(6) Senior Seminar : Lyman Briggs 492 (4 credits). MAJOR or COORDINATE MAJOR.	LB 494 Undergraduate Research 1 to 4
Each student must complete the requirements of a Major or a Coordinate	Other courses as approved by advisor.
Major. The Major or Coordinate Major must be chosen from the lists of	(4) Integrative Biology (16 credits):
options below. Both the Major or Coordinate Major and the related	All of the following courses:
courses must be approved by the student's academic advisor. With the approval of the appropriate Lyman Briggs College Curriculum	IBIO 341 Fundamental Genetics 4 IBIO 355 Ecology 3
Coordinator or Undergraduate Director, courses other than those that	IBIO 445 Evolution (W) 3
are listed as requirements for a Major or Coordinate Major may be used	MMG 301 Introductory Microbiology 3
to satisfy degree requirements.	MMG 409 Eukaryotic Cell Biology 3
Majors:	(5) Organismal Diversity (3 or 4 credits):
Biology Computer Science	One of the following courses: ENT 404 Fundamentals of Entomology 3
Computer Science Earth Science	ENT 404 Fundamentals of Entomology 3 ENT 422 Aquatic Entomology 3
Environmental Science and Management	ENT 470 General Nematology 3
Physical Science	FW 471 Icthyology 4
History, Philosophy and Sociology of Science	IBIO 306 Invertebrate Biology 4
Coordinate Majors:	IBIO 328 Comparative Anatomy and Biology of
(1) College of Agriculture and Natural Resources: Animal Science	Vertebrates (W) 4 IBIO 360 Biology of Birds 4
Entomology	IBIO 365 Biology of Mammals 4
Fisheries and Wildlife	IBIO 384 Biology of Amphibians and Reptiles (W) 4
Food Science	PLB 402 Biology of Fungi 4
Forestry	PLB 418 Plant Systematics 3
(2) College of Engineering: Computer Science	PLB 424 Algal Biology 4 Other courses as approved by advisor.
Students are admitted to this Coordinate Major after they	(6) Ecology, Evolution, and Behavioral Biology (3 or 4 credits):
have reached junior standing and have met certain other	One of the following courses:
requirements specified by Lyman Briggs College .	CSS 442 Agricultural Ecology 3
(3) College of Natural Science:	FW 417 Wetland Ecology and Management 3
Actuarial Science Astrophysics	FW 420 Stream Ecology 3 FW 431 Ecophysiology and Toxicology of Fishes 3
Biochemistry and Molecular Biology	FW 439 Conservation Ethics 3
Biochemistry/Biotechnology	FW 444 Conservation Biology 3
Biological Science—Secondary Education	FW 463 Wildlife Disease Ecology 3
Biomedical Laboratory Science	FW 472 Limnology 3
Chemical Physics Chemistry	GLG 434 Evolutionary Paleobiology 4 IBIO 303 Oceanography 4
Computational Chemistry	IBIO 313 Animal Behavior 3
Computational Mathematics	IBIO 415 Ecological Aspects of Animal Behavior (W) 3
Data Science	IBIO 440 Field Ecology and Evolution 4
Earth Science—Interdepartmental	MMG 425 Microbial Ecology 3
Environmental Biology/Microbiology	PLB 441 Plant Ecology 3 PLB 443 Restoration Ecology 3
Environmental Biology/Plant Biology Environmental Biology/Zoology	PLB 443 Restoration Ecology 3 (7) Cellular and Molecular Biology (3 or 4 credits):
Environmental Geosciences	One of the following courses:
Genomics and Molecular Genetics	FSC 440 Food Microbiology 3
Geological Sciences	IBIO 320 Developmental Biology 4
Human Biology	IBIO 408 Histology 4
Mathematics Mathematics, Advanced	IBIO 425 Cells and Development (W) 4 MMG 404 Human Genetics 3
Microbiology	MMG 413 Virology 3
Neuroscience	MMG 421 Prokaryotic Cell Physiology 3
Nutritional Sciences	MMG 425 Microbial Ecology 3
Physical Science—Secondary Education	MMG 431 Microbial Genetics 3
Physics Physiology	MMG 433 Microbial Genomics 3 MMG 445 Microbial Biotechnology (W) 3
Physiology Plant Biology	MMG 445 Microbial Biotechnology (W) 3 MMG 451 Immunology 3
Statistics	MMG 461 Molecular Pathogenesis 3
Zoology	MMG 463 Medical Microbiology 3
	PSL 310 Physiology for Pre-Health Professionals 4
	PSL 431 Human Physiology I 4
	Other courses as approved by advisor.

2.	Com	puter \$	Scienc	e		30	4.	Enviror	nmental S	Sciences and Management	41
	a.				dits from the courses listed below i	ncluding:				n of 41 credits from the courses listed below including:	
		(1)	All of	the follow	ing courses (28 credits):	-		(1	I) One	of the following groups of courses (8 or 10 credits):	
			CSE	231 Int	roduction to Programming I	4			(a)	LB 118 Calculus I	5
			CSE		roduction to Programming II	4			. ,	STT 231 Statistics for Scientists	3
			CSE		screte Structures in Computer Scie	nce 4			(b)	MTH 132 Calculus I	3
			CSE		mputer Organization and Architect				. ,	MTH 133 Calculus II	4
			CSE	325 Cc	mputer System	3				STT 231 Statistics for Scientists	3
			CSE	331 Alg	porithms and Data Structures	3		(2	2) One	course from each of the following 7 areas	
			CSE	335 Ob	jected-oriented Software Design	4			(24 t	to 26 credits):	
			MTH	314 Ma	atrix Algebra with Computational				(a)	Ecology:	
					Applications	3				ZOL 355 Ecology	3
		(2)			nce Electives					ZOL 355L Ecology Laboratory	1
					of the following concentrations (9 c	redits):			(b)	Geology:	
			(a)		- Three of the following courses:					GLG 201 The Dynamic Earth	4
					0 Operating Systems	3			(c)	Taxonomy or Phylogenetic Biology:	
					5 Introduction to Parallel Comput					ENT 404 Fundamentals of Entomology	4
					2 Computer Networks	3				PLB 418 Plant Systematics	3
					0 Translation Programming Lang				(-1)	ZOL 306 Invertebrate Biology	4
		/L\	1-4-11		0 Database Systems	3			(d)	Biochemistry:	4
		(b)			tems - Three of the following cours	ses: 3			(0)	BMB 401 Basic Biochemistry	4
			CSE		ometrics and Pattern Recognition	3			(e)	Aquatic Systems:	3
			CSE		roduction to Machine Learning	3			(f)	FW 420 Stream Ecology Microbiology:	3
					roduction to Artificial Intelligence g Data Analysis	3			(f)	MMG 301 Introductory Microbiology	3
		(c)			of the following courses:	3			(a)	Economics:	3
		(0)			edia Processing and Multimedia				(g)	EC 201 Introduction to Microeconomics	3
			OOL	7/1 IVIC	Computing	3		(3	3) One	course from each of the following three groups	0
			CSF	472 Cc	imputer Graphics	3		(0		11 credits):	
					bbile Application Development	3				FOR 464 Forest Resource Economics (W)	3
					eb Application Architecture and				()	SOC 452 Environment and Society	3
					Development	3			(b)	FW 424 Population Analysis and Management	4
		(d)	Secu	rity - Thre	ee of the following courses:				` '	FW 444 Conservation Biology	3
		. ,			roduction to Computer Security	3			(c)	FW 410 Upland Ecosystem Management	3
			CSE	410 Op	erating Systems	3				FW 417 Wetland Ecology and Management	3
			CSE	422 Cc	mputer Networks	3				Students who elect Sociology 452 must also comp	lete
	(3)				 One of the following courses: 					Sociology 452L to meet requirement 4. a. (3) (a).	
		LB	322A		s in Science and Technology		5.		al Scienc		31
					d Humanities (W)	4				of 31 credits from the courses listed below including:	
		LB	322B		s in Science and Technology	4		(1		following course:	4
		Th			Sciences (W)	4		15	LB		4
					322A or LB 322B satisfies the eth			(2		east 27 credits in chemistry courses, in physics courses, or	
			ement		not be counted toward the Lyman	briggs College				nistry and physics courses approved by the stude demic advisor. At least 20 of the 27 credits must be in cour	
3.	Fart	h Scier				27				e 300 level or above, and at least 14 of the 27 credits mus	
0.	a.			of 27 cred	lits from the courses listed below in					ther chemistry courses or physics courses and must meet	
	a.	(1)			lits in courses at the 300–400 level					litions specified below:	· tric
		(2)			ts in earth science courses outside					or students who elect to complete at least 14 credits	s in
		(-/			Earth and Environmental Sciences					nistry courses, at least 4 of the 14 credits must be labora	
		(4)			urse in each of the following 5 eartl					its at the 300–400 level.	,
		` '		(15 to 22						or students who elect to complete at least 14 credits	s in
			(a)	Astronon	ny and Astrophysics					sics courses, at least 6 of the 14 credits must be in mod	
				AST 20	7 The Science of Astronomy	3			phys	sics, and at least 3 of the 14 credits must be laboratory cred	dits.
			(b)		of the Solid Earth		6.	History	, Philoso	phy and Sociology of Science	24
					1 The Dynamic Earth	4				credits in 300-400 level courses chosen from the follow	
				GLG 32		4				losophy, and Sociology of Science content approved by	
					1 Structural Geology and Tectoni					cademic advisor. Courses used to fulfill the Lyman Bri	
					1 Petrology (W)	4				on requirements and LB 492 may not be used to fulfill th	
					1 Plate Tectonics (W)	4				minimum of four courses from Lyman Briggs must be selec	
					1 Reservoirs and Aquifers	3				es outside of Lyman Briggs may be used with advisor appro	
			(0)		1 Field Geology – Summer Camp	(W) 6		CSUS	310	History of Environmental Thought and Sustainability	3
			(c)	Paleobio GLG 43		v (W) 4		CSUS	463 464	Food Fight: Politics of Food	
				GLG 43		y (vv) 4 4		CSUS ENG	404 473A	Environmental and Natural Resource Policy in Michigar Literature and Medicine	n 3
				GLG 43		4			473A 439	Conservation Ethics	3
					5 Plants Through Time	3		FW GEO	435	Geography of Health and Disease	3
			(d)		nental Geosciences and Meteorolog			HST	420	History of Sexuality since the 18th Century	3
			(u)	GEO 20		3		HST	425	American and European Health Care since 1800	4
				GEO 40	3,			HRT	486	Biotechnology in Agriculture: Applications and	
				GEO 40		3				Ethical Issues	3
				GEO 40	3			IBIO	446	Environmental Issues and Public Policy	3
				GLG 42		4		LB	304	Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ)	-
			(e)	Geomorp	phology					and Sexuality Studies	3
				CSS 47	0 Soil Resources	3		LB	321A	Science and the Public- Arts and Humanities (W)	4
				GEO 40				LB	321B	Science and the Public- Social Sciences (W)	4
					the United States	3		LB	322A	Advances in Science and Technology- Arts and	
					8 Soil Geomorphology Field Stud					Humanities (W)	4
					hy 206 and 206L, combined, may b			LB	322B	Advances in Science and Technology-	
				substitute	ed for one of the courses listed abo	ve.				Social Sciences (W)	4
								LB	323A	Science in a Global Context- Arts and Humanities (W)	4
								LB	323B	Science in a Global Context- Social Sciences (W)	4
								LB	324A	Science and Sex, Gender, Sexuality- Arts and	4
										Humanities (W)	4

LB	324B	Science and Sex, Gender, Sexuality-	
		Social Sciences (W)	4
LB	325A	Science and the Environment- Arts and Humanities (W)	4
LB	325B	Science and the Environment- Social Sciences (W)	4
LB	326A	Medicine and Health- Arts and Humanities (W)	4
LB	326B	Medicine and Health- Social Sciences (W)	4
LB	327A	Scientific Practice- Arts and Humanities (W)	4
LB	327B	Scientific Practice- Social Sciences (W)	4
LB	490E	Advanced Direct Study- History, Philosophy, Sociology	
		of Science (W) 1 to	2 د
MC	351	Science and Social Policy	4
PHL	380	Nature of Science	;
PHL	462	Philosophy of Mind	;
PHL	480	Philosophy of Science	4
SOC	368	Science, Technology, and Society	4
SOC	452	Advanced Seminar in Environmental Sociology	;
SOC	475	Health and Society	(

MINOR IN BIOETHICS

The Minor in Bioethics, which is administered by Lyman Briggs College, is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. The minor is designed to prepare students to engage with the evolving set of ethical issues in biomedicine that they will encounter in their careers or their daily lives. The minor's interdisciplinary character fosters students' abilities to understand and question health care systems from a wide variety of intellectual viewpoints. Such interdisciplinary study also promotes communication across disciplinary boundaries.

Students wishing to pursue careers in health-related fields may find the minor particularly appealing. In addition, students pursuing academic programs outside health-related fields often find that the minor complements their major. With the approval of the department and college that administer the student's degree program, the courses that are used to satisfy the requirements for the minor may also be used to satisfy the requirements for the bachelor's degree.

Requirements for the Minor in Bioethics

	ı o		to for the minor in Diocumes	CREDITS
1.	Both	of the t	following courses (3 credits):	
	LB		Bioethics: Theories and Methods	2
	LB	440	Bioethics Capstone	1
2.	Comp	olete 1	5 credits from at least four courses. No more than	8
	credit	s may	be from the same discipline. Students should work with	h
	the a	dvisor	for appropriate substitution requests.	
	ANP	270	Women and Health: Anthropological and International	
			Perspectives	3
	ANP	370	Culture, Health, and Illness	3
	ANP	423	Psychological Anthropology	3
	ANP	425	Issues in Medical Anthropology	3 3 3 3 3 3 3
	ANP	471	The Anthropology of Alternative Medicine	3
	ANS	427	Environmental Toxicology and Society	3
	CEP		Disability in a Diverse Society	3
	EC	498	Economics of Health Care (W)	3
			Literature and Medicine	3
	EPI	390		
			and Public Health	4
	GEO		Geography of Health and Disease	3
			Community Nutrition	3
		406		3
	HST		History of Sexuality since 18th Century	3 3 3 3 4
	HST		American and European Health Care since 1800	
	KIN		Sport and Physical Activity in Society (W)	3
	LB	324A	Science and Sex, Gender, Sexuality – Arts and	
			Humanities (W)	4
	LB	324B	Science and Sex, Gender, Sexuality – Social	
			Sciences (W)	4
	LB		Medicine and Health – Arts and Humanities (W)	4
	LB		Medicine and Health – Social Sciences (W)	4
	LB	355	Philosophy of Technology (W)	4

MC	351	Science and Social Policy	4
PHL	344	Ethical Issues in Health Care	4
PHL	380	Nature of Science	3
PHL	444	Philosophical Issues in Biomedicine	4
PHL	480	Philosophy of Science	4
PHL	485	Philosophy of Social Science	3
PSY	280	Abnormal Psychology	3
PSY	320	Health Psychology	3
REL	385	Religion, Health, and Healthcare	3
SOC	368	Science, Technology and Society	4
SOC	451	Dynamics of Population	3
SOC	475	Health and Society	3
SW	472	Social Work in Health Care	3
WS	304	Lesbian, Gay, Bisexual, Transgender, Queer	
		(LBGTQ) and Sexuality Studies	3

MINOR IN HISTORY, PHILOSOPHY AND SOCIOLOGY OF SCIENCE

The Minor in History, Philosophy and Sociology of Science, which is administered by Lyman Briggs College, is designed to increase students understanding of the epistemological foundations and ethical elements of science while learning more of the history of some areas of science and appreciating the complex ways that science is connected to other social institutions and practices.

The minor is available as an elective to students who are enrolled in a bachelor's degree program in Lyman Briggs College at Michigan State University. Students majoring in History, Philosophy and Sociology of Science in Lyman Briggs College are not eligible for the minor. With the approval of the college, the courses that are used to satisfy the minor may also be used to satisfy the requirements for the bachelor's degree.

Students who plan to complete the requirements for the minor should consult an undergraduate advisor in Lyman Briggs College.

Requirements for the Minor in History, Philosophy and Sociology of Science

CREDITS

A minimum of 20 credits in 300–400 level courses chosen from the following with History, Philosophy, and Sociology of Science content approved by the student's HPS academic advisor. A minimum of three courses from Lyman Briggs must be selected. Additional courses outside of Lyman Briggs may be used with advisor approval.

CSUS 310 History of Environmental Thought and Sustainability 3
CSUS 463 Food Fight: Politics of Food 3
CSUS 464 Environmental and Natural Resource Policy in Michigan 3
ENG 473A Literature and Medicine 3
FW 439 Conservation Ethics 3
GEO 435 Geography of Health and Disease 3
HST 420 History of Sexuality since the 18th Century 3

ENG	4/3A	Literature and Medicine	3
FW	439	Conservation Ethics	3
GEO	435	Geography of Health and Disease	3
HST	420	History of Sexuality since the 18th Century	3
HST	425	American and European Health Care since 1800	4
HRT	486	Biotechnology in Agriculture: Applications and Ethical Issues	3
IBIO	446	Environmental Issues and Public Policy	3
LB	304	Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ)	
		and Sexuality Studies	3
LB	321A	Science and the Public- Arts and Humanities (W)	4
LB	321B	Science and the Public- Social Sciences (W)	4
LB	322A	Advances in Science and Technology- Arts and Humanities (W)	4
LB	322B	Advances in Science and Technology- Social Sciences (W)	4
LB	323A	Science in a Global Context- Arts and Humanities (W)	4
LB	323B	Science in a Global Context- Social Sciences (W)	4
LB	324A	Science and Sex, Gender, Sexuality- Arts and Humanities (W)	4
LB	324B	Science and Sex, Gender, Sexuality- Social Sciences (W)	4
LB	325A	Science and the Environment- Arts and Humanities (W)	4
LB	325B	Science and the Environment- Social Sciences (W)	4
LB	326A	Medicine and Health- Arts and Humanities (W)	4
LB	326B	Medicine and Health- Social Sciences (W)	4
LB	327A	Scientific Practice- Arts and Humanities (W)	4
LB	327B	Scientific Practice- Social Sciences (W)	4
LB	490E	Advanced Direct Study- History, Philosophy, Sociology	
		of Science (W) 1 to	4

MC	350	Evolution and Society	4
MC	351	Science and Social Policy	4
PHL	380	Nature of Science	;
PHL	462	Philosophy of Mind	;
PHL	480	Philosophy of Science	4
SOC	368	Science, Technology, and Society	4
SOC	452	Advanced Seminar in Environmental Sociology	;
SOC	475	Health and Society	:

LYMAN BRIGGS COLLEGE 3 + 4 OPTION

Lyman Briggs College, in collaboration with the MSU College of Osteopathic Medicine, offers an opportunity for selected Lyman Briggs College students to earn a baccalaureate degree after satisfactory completion of a minimum of 90 credits at Michigan State University and a minimum of 30 credits through subsequent enrollment at the Michigan State University College of Osteopathic Medicine. Only students who matriculate as first-year students at Lyman Briggs College may pursue this option. Students interested in this option must be admissible to MSU and accepted into the Osteopathic Medical Scholars Program (OMSP).

Admission to the MSU College of Osteopathic Medicine component of this program is limited to a small number of students who complete the specified university and college requirements and who fulfill admission requirements for the MSU College of Osteopathic Medicine Doctor of Osteopathic Medicine program.

All students in this program will complete a minimum of 90 credits at Michigan State University in the Lyman Briggs College Biology major. The requirements for the program are as follows:

- Completion of all the Michigan State University graduation requirements, including integrative studies and general education.
- Completion of the Lyman Briggs College graduation requirements including mathematics, chemistry, biology, physics, and history, philosophy and sociology of science.
- 3. Be pursuing the curriculum for the Lyman Briggs College Biology major.
- Completion of a minimum of 30 credits at the MSU College of Osteopathic Medicine in the preclerkship component of the Doctor of Osteopathic Medicine degree program.

Upon satisfactory completion of the specified 120 credits, students in this program will be eligible for the Bachelor of Science degree in Lyman Briggs College with a major in Biology.