

**MICHIGAN STATE UNIVERSITY**

**Report of  
THE UNIVERSITY COMMITTEE ON CURRICULUM  
to the Faculty Senate  
March 16, 2021**

*The effective date for new programs subject to Statewide Academic Program review is implemented in accordance with the Statewide Academic Program Review calendar.*

MICHIGAN STATE UNIVERSITY  
University Committee on Curriculum

March 16, 2021

TO: Faculty Senate

This report is prepared and distributed for the following purposes:

1. To report new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses.
2. To notify the initiating colleges, schools, and departments of approval by the University Committee on Curriculum of their requests for new academic programs, changes in academic programs, discontinuations of academic programs, new courses, permanent changes in courses, and deletions of courses. Any items not approved by the Faculty Senate will be reported to the appropriate college and department or school.
3. To provide information to members of the faculty in each department about academic programs and courses in all colleges, departments, and schools of the University.

Reports of the University Committee on Curriculum to the Faculty Senate are organized as follows:

PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES:

Organized by colleges in alphabetical order. For a given college, academic units are organized in alphabetical order. For a given academic unit, degrees, majors, and specializations are organized in alphabetical order.

PART II - NEW COURSES:<sup>1</sup>

Organized by academic units in alphabetical order; All-University courses appear last. For a given academic unit, courses are organized according to the names associated with course subject codes, in alphabetical order. Courses with the same subject code are in numerical order.

PART III - COURSE CHANGES:<sup>1</sup>

Organized by academic units in alphabetical order; All-University courses appear last. For a given academic unit, courses are organized according to the names associated with course subject codes, in alphabetical order. Courses with the same subject code are in numerical order.

Not all of the above categories, and not all of the colleges and academic units, will necessarily appear in any given Senate Report.

<sup>1</sup>One or more of the abbreviations that follow may be included in a course entry:

P: = Prerequisite monitored in SIS  
C: = Corequisite  
R: = Restriction  
RB: = Recommended background  
SA: = Semester Alias

MICHIGAN STATE UNIVERSITY

March 16, 2021

TO: Faculty Senate  
FROM: University Committee on Curriculum  
SUBJECT: New Academic Programs and Program Changes:  
New Courses and Course Changes

**PART I - NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES**

**COLLEGE OF AGRICULTURE AND NATURAL RESOURCES**

1. Change the requirements for the **Doctor of Philosophy** degree in **Plant Pathology** in the Department of Plant, Soil and Microbial Sciences. The University Committee on Graduate Studies (UCGS) approved this request at its February 8, 2021 meeting.

a. Under the heading **Admission** add the following statement at the end of the second paragraph:

Students with deficiencies in their backgrounds will be required to complete collateral courses in addition to the courses that are required for the master's degree. Collateral course work does not count towards the degree requirements.

b. Under the heading **Requirements for the Doctor of Philosophy Degree in Plant Pathology** replace the entire entry with the following:

All doctoral students in plant pathology must meet the requirements specified below:

1. Pass a preliminary examination.
2. Acquire experience in either (a) teaching, by serving as a teaching assistant in a course or, (b) extension, through the development and delivery of outreach programs or materials, as approved by the guidance committee.
3. Complete all of the following courses:

PLP	805	Principles of Plant Diseases	3
PLP	812	Epidemiology of Plant Diseases	3
PLP	847	Advanced Mycology	4
	or		
PLB	402	Biology of Fungi	4
PLP	850	Physiological Plant Pathology	3
PLP	881	Molecular and Biochemical Plant Pathology	3
PLP	884	Prokaryotic Diseases of Plants	3
PLP	885	Plant Diseases in the Field	2
PLP	894	Seminar in Plant Pathology	3
PLP	999	Doctoral Dissertation Research	24

Students who completed 2 credits of PLP 894 at MSU as a master's student must complete 3 additional credits of PLP 894.
4. Other courses and/or reading knowledge of a foreign language as specified by the guidance committee.
5. Complete oral and written comprehensive examinations.
6. Complete a written thesis and present the result publicly at a departmental seminar prior to graduation.
7. Pass an oral examination in defense of the thesis before the guidance committee which occurs immediately after the public seminar at which the thesis results are presented.

Effective Fall 2021.

**COLLEGE OF ARTS AND LETTERS**

1. Change the requirements for the **Bachelor of Arts** degree in **Global Studies in the Arts and Humanities** in the College of Arts and Letters.
  - a. Under the heading **Requirements for the Bachelor of Arts Degree in Global Studies in the Arts and Humanities** make the following changes:
    - (1) In item 2., delete paragraph two.
    - (2) Replace item 3. with the following:
      - a. Both of the following courses (6 credits):
 

GSAH 201	Issues in Global Studies	3
GSAH 450	Global Interdisciplinary Studies (W)	3
      - b. Complete at least 9 credits from the following:
 

GSAH 301	Global Citizenship	3
GSAH 310	Questions of Justice in Global Contexts	3
GSAH 311	Global Perspectives on Borders and Migration	3
GSAH 312	Global Digital Cultures	3
GSAH 313	Violence and Power in Global Contexts	3
GSAH 314	Race, Gender, and Global Identities	3
GSAH 315	Globalization and the Arts	3
GSAH 391	Special Topics in Global Studies	3
GSAH 490	Independent Study	1 to 4
      - c. Complete 15 to 18 credits of additional electives from any combination of courses from the following:
        - (1) GSAH 300-level courses not used to satisfy requirements a. and b.
        - (2) Language courses beyond the 202-level, or equivalent, or 200-level courses in a third language.
        - (3) GSAH affiliated courses offered inside the college:
 

AAAS 300	Survey in Africana Studies	3
AAAS 495	Advanced Research in African American and African Studies	3
ARB 460	Special Topics in Arabic Culture (W)	3
ARB 461	Introduction to Arabic Literature (W)	3
ASN 352	Readings in Asian/Asian, American/Asian Diaspora Literature and Visual Culture	3
ATD 426	History of Dress and Textiles	3
ATD 430	Dress, Culture and Human Behavior	3
ATD 431	Global Context for Sustainable Design	3
CHS 360	Chinese Film Studies	3
CHS 366	Chinese Culture: Tradition and Modernity (W)	3
CHS 466	Modern Chinese Literature and Films (W)	3
ENG 326	Readings in Drama and Performance Studies	3
ENG 350	Readings in African, African-American, and African Diaspora Literature	3
ENG 450	Seminar in African American Literature	3
ENG 351	Readings in Chicano and Latino Literatures	3
ENG 355	Readings in Sexuality and Literature	3
ENG 356	Readings in Jewish Literature	3
ENG 360	Studies in Postcolonial and Diaspora Literature (W)	3
ENG 426	Seminar in Drama or Performance Studies	3
ENG 448	Seminar in Gender and Literature	3
ENG 449	Seminar in Race, Ethnicity, and Literature	3
ENG 450	Seminar in African American Literature	3
ENG 452	Seminar in 20th and 21st Century British Literature	3
ENG 460	Seminar in Global and Postcolonial Literature	3

ENG	462	Seminar in Transatlantic Literature	3
ENG	466	Seminar in Literatures of the Pacific Rim	3
ENG	473B	Law and Literature	3
ENG	481	Seminar in Critical and Cultural Theory	3
ENG	482	Seminar in Feminist Literary and Cultural Theory	3
ENG	478A	Literature, Technology, Representation	3
ENG	478B	Literature and Visual Culture	3
FLM	300	History of Film to Midcentury	3
FLM	301	History of Film after Midcentury	3
FLM	311	Introduction to Documentary Filmmaking	3
FLM	350	National and Transnational Cinemas	3
FLM	355	Studies in Film Genres	3
FLM	380	Classical Film and Media Theory	3
FLM	381	Contemporary Film and Media Theory	3
FLM	400	Seminar in the History of Film	3
FLM	450	Studies in Ethnic Film	3
FLM	451	Studies in Postcolonial Cinema	3
FLM	452	Studies in Film, Gender, and Sexuality	3
FLM	455	Experimental Film and Media	3
FLM	460	Seminar in Digital Film and Emergent Media (W)	3
FLM	480	Seminar in Film and Media Theory (W)	3
HA	101	Western Art from the Paleolithic to Medieval Era	3
HA	102	Western Art from the Renaissance to Contemporary	3
HA	260	Asian Art	3
HA	271	African Art	3
HA	461	Selected Topics in Modern Asian Art	4
HA	462	The Arts of China	4
HA	471	Selected Topics in African Art	4
JPN	369	Introduction to Japanese Literature and Culture	3
JPN	469	Research Seminar in Japanese Literature and Culture (W)	3
LIN	225	Language and Gender	3
PHL	342	Environmental Ethics	3
PHL	350	Introduction to Social and Political Philosophy	3
PHL	353	Core Themes in Peace and Justice Studies	3
PHL	354	Philosophy of Law	3
PHL	356	Philosophical Aspects of Feminism	4
PHL	357	Philosophy of Karl Marx	3
PHL	440	Central Issues in Ethics	4
PHL	452	Ethics and Development	3
PHL	454	Topics in Philosophy of Law	3
PHL	456	Topics in Feminist Philosophy	4
PHL	460	Epistemology	3
PHL	461	Metaphysics	3
PHL	462	Philosophy of Mind	3
REL	101	Exploring Religion	3
REL	150	Introduction to Biblical Literature	3
REL	205	Myth, Self, and Religion	3
REL	215	Music and Religion	3
REL	260	Philosophy of Religion	3
REL	275	Magic and Mysticism: An Introduction to Esoteric Religion	3
REL	310	Judaism	3
REL	320	Christianity	3
REL	325	East Asian Buddhism	3
REL	330	Islam	3
REL	335	East Asian Religions	3
REL	355	Southeast Asian Religions	3

	REL	360	African Religion	3
	REL	411	Modern Jewish Thought (W)	3
	REL	480	Comparative Studies in Religion (W)	3
	STA	112	Art and Design: Concepts and Practices	3
	STA	371	Art, Education and Society	3
	THR	304	Topics in Acting/Directing II	1 to 6
	WRA	260	Writing, Rhetoric, Cultures, and Community	3
	WRA	331	Writing in the Public Interest (W)	3
	WRA	415	Digital Rhetoric	3
	WRA	441	Social Justice as Rhetorical Practice	3
	WS	153	Introduction to Women Authors	4
	WS	201	Introduction to Women's and Gender Studies	3
	WS	202	Introduction to Contemporary Feminisms and Gender Theories	3
	WS	301	Sexual Violence Against Women and Children: Theory and Response	3
	WS	312	African American Women	3
	WS	353	Readings in Women Writers	3
	WS	355	Readings in Sexuality and Literature	3
	WS	356	Philosophical Aspects of Feminism	3
	WS	403	Women and Change in Developing Countries	3
	WS	412	Women in Modern European History	3
	WS	413	Families in Historical Perspective	3
	WS	425	Women and Criminal Justice	3
	WS	448	Seminar in Gender and Literature	3
	WS	456	Topics in Feminist Philosophy	4
	WS	482	Seminar in Feminist Literary and Cultural Theory	3
(4)	GSAH affiliated courses offered outside the college:			
	ANP	321	Anthropology of Social Movements	3
	ANP	330	Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity	3
	ANP	410	Anthropology of Latin America	3
	ANP	426	Urban Anthropology	3
	ANP	436	Globalization and Justice: Issues in Political and Legal Anthropology	3
	ANP	439	Human Rights: Anthropological Perspectives	3
	HST	310	African American History to 1876	3
	HST	311	African American History since 1876	3
	HST	312	African American Women	3
	HST	364	South Africa: From Shaka Zulu to Mandela	3
	HST	383	The Caribbean	3
	HST	487	Seminar in Comparative History (W)	3
	JRN	265	International Journalism and Media	3
	JRN	345	Images and Messages	3
	JRN	372	Environment, Science and Health Journalism Special Topics	3
	MC	324A	Regional Politics, Cooperation, and Conflict in the Middle East	4
	MC	324B	Regional Politics, Cooperation, and Conflict In Sub Saharan Africa	4
	MC	324C	Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean	4
	MC	324D	Regional Politics, Cooperation, and Conflict in Asia	4
	MC	337	Global Public Health	4
	MC	366	Film, History, and Nation	4
	MC	369	Global Issues and Citizenship (W)	4
	MC	372	Comparative Black Political Thought	4
	MC	377	Cultural Politics and Post Colonialism	4
	MC	382	Social Movements	4
	MC	383	African American Politics	4

MC	385	Comparative Race and Ethnic Relations	4
MC	386	Women and Power in Comparative Perspective	4
MC	387	Jews and Anti-Semitism	4
MC	388	Sexual Politics: Historical and Contemporary Perspectives	4
MC	482	Gender and Violent Conflict	4
PLS	304	Minority Politics	3
PLS	351	African Politics	3
PLS	320	Judicial Politics	3
PLS	344	Politics of Developing Areas	3
PLS	363	International and Domestic Political Conflict	3
PLS	364	Politics of the United Nations and International Organizations	3
PLS	422	Seminar in Political Science (W)	4
SOC	310	Global Migration	3
SOC	375	Urban Sociology	3
SOC	331	Political Sociology	3
SOC	452	Advanced Seminar in Environmental Sociology	3

- d. Complete an approved experiential learning activity, such as the following:
- (1) a mentored research project in global studies
  - (2) a travel program through education abroad or study away
  - (3) an internship

Effective Fall 2021.

2. Change the requirements for the **Minor in Global Studies in the Arts and Humanities** in the College of Arts and Letters.

- a. Under the heading **Requirements for the Minor in Global Studies in the Arts and Humanities** replace the entire entry with the following:

Students must complete at least 15 credits from the following:

1. The following course (3 credits):
 

GSAH	201	Issues in Global Studies	3
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2. Complete one of the following courses (3 credits):
 

GSAH	301	Global Citizenship	3
GSAH	310	Questions of Justice in Global Contexts	3
GSAH	311	Global Perspectives on Borders and Migration	3
GSAH	312	Global Digital Cultures	3
GSAH	313	Violence and Power in Global Contexts	3
GSAH	314	Race, Gender, and Global Identities	3
GSAH	315	Globalization and the Arts	3
GSAH	391	Special Topics in Global Studies	3
GSAH	450	Senior Seminar in Global Studies in the Arts and Humanities (W)	3
GSAH	490	Independent Study	3
4. Complete 9 credits of additional electives from any combination of courses from the following:
  - (a) GSAH 300-level courses not used to satisfy requirement b.
  - (b) Language courses beyond the 202-level, or equivalent, or 200-level courses in a third language.
  - (c) GSAH affiliated courses offered inside the college:
 

AAAS	300	Survey in Africana Studies	3
AAAS	495	Advanced Research in African American and African Studies	3
ARB	460	Special Topics in Arabic Culture (W)	3
ARB	461	Introduction to Arabic Literature (W)	3

ASN	352	Readings in Asian/Asian, American/Asian Diaspora Literature and Visual Culture	3
ATD	426	History of Dress and Textiles	3
ATD	430	Dress, Culture and Human Behavior	3
ATD	431	Global Context for Sustainable Design	3
CHS	360	Chinese Film Studies	3
CHS	366	Chinese Culture: Tradition and Modernity (W)	3
CHS	466	Modern Chinese Literature and Films (W)	3
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ENG	356	Readings in Jewish Literature	3
ENG	360	Studies in Postcolonial and Diaspora Literature (W)	3
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	PHL	460	Epistemology	3
	PHL	461	Metaphysics	3
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	WRA	331	Writing in the Public Interest (W)	3
	WRA	415	Digital Rhetoric	3
	WRA	441	Social Justice as Rhetorical Practice	3
	WS	153	Introduction to Women Authors	4
	WS	201	Introduction to Women's and Gender Studies	3
	WS	202	Introduction to Contemporary Feminisms and Gender Theories	3
	WS	301	Sexual Violence Against Women and Children: Theory and Response	3
	WS	312	African American Women	3
	WS	353	Readings in Women Writers	3
	WS	355	Readings in Sexuality and Literature	3
	WS	356	Philosophical Aspects of Feminism	3
	WS	403	Women and Change in Developing Countries	3
	WS	404	Women and the Law in the United States	3
	WS	412	Women in Modern European History	3
	WS	413	Families in Historical Perspective	3
	WS	425	Women and Criminal Justice	3
	WS	448	Seminar in Gender and Literature	3
	WS	456	Topics in Feminist Philosophy	4
	WS	482	Seminar in Feminist Literary and Cultural Theory	3
(d)	GSAH affiliated courses offered outside the college:			
	ANP	321	Anthropology of Social Movements	3
	ANP	330	Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity	3
	ANP	410	Anthropology of Latin America	3
	ANP	426	Urban Anthropology	3
	ANP	436	Globalization and Justice: Issues in Political and Legal Anthropology	3
	ANP	439	Human Rights: Anthropological Perspectives	3
	HST	310	African American History to 1876	3
	HST	311	African American History since 1876	3
	HST	312	African American Women	3
	HST	364	South Africa: From Shaka Zulu to Mandela	3
	HST	383	The Caribbean	3
	HST	487	Seminar in Comparative History (W)	3
	JRN	265	International Journalism and Media	3
	JRN	345	Images and Messages	3
	JRN	372	Environment, Science and Health Journalism Special Topics	3

	MC	324A	Regional Politics, Cooperation, and Conflict in the Middle East	4
	MC	324B	Regional Politics, Cooperation, and Conflict in Sub Saharan Africa	4
	MC	324C	Regional Politics, Cooperation, and Conflict in Latin America and the Caribbean	4
	MC	324D	Regional Politics, Cooperation, and Conflict in Asia	4
	MC	337	Global Public Health	4
	MC	369	Global Issues and Citizenship (W)	4
	MC	372	Comparative Black Political Thought	4
	MC	377	Cultural Politics and Post Colonialism	4
	MC	382	Social Movements	4
	MC	383	African American Politics	4
	MC	385	Comparative Race and Ethnic Relations	4
	MC	386	Women and Power in Comparative Perspective	4
	MC	387	Jews and Anti-Semitism	4
	MC	388	Sexual Politics: Historical and Contemporary Perspectives	4
	MC	482	Gender and Violent Conflict	4
	PLS	304	Minority Politics	3
	PLS	320	Judicial Politics	3
	PLS	344	Politics of Developing Areas	3
	PLS	351	African Politics	3
	PLS	363	International and Domestic Political Conflict	3
	PLS	364	Politics of the United Nations and International Organizations	3
	PLS	422	Seminar in Political Science (W)	4
	SOC	331	Political Sociology	3
	SOC	375	Urban Sociology	3
	SOC	452	Advanced Seminar in Environmental Sociology	3
(e)			Special Topics courses offered by other programs with significant global studies content, as approved by the GSAH program director or the GSAH undergraduate advisor.	

Effective Fall 2021.

3. Establish a **Bachelor of Arts** degree in **African American and African Studies** in the Department of African American and African Studies. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at their January 7, 2021 meeting.

*The concentrations in the Bachelor of Arts degree in African American and African Studies will be noted on the student's academic record when the requirements for the degree have been completed.*

a. **Background Information:**

African American and African Studies (AAAS) at MSU was initially founded as a Ph.D. granting program in 2002 as a unit committed to making concrete connections between faculty scholarship, pedagogy, and social justice causes. An undergraduate minor was created in 2014 to extend the Black Studies experience to an increasing interested undergraduate population.

With the support of the College of Arts and Letters, some of the AAAS faculty used the “stay” on the graduate program implemented by the college in 2015 to transition from a program to a department. The program received an external review that uncovered troubling trends in the AAAS program structure. As a result of being a graduate program with no dedicated faculty, some of those trends included: structural inequities that led to underserved students, 2) overworked junior faculty, and 3) an overreliance on a kind of faculty volunteerism that was unevenly successful and predictably unstable.

In addition, a burgeoning interest in diversity, equity, and inclusion helped to clarify that the structural challenges of the AAAS program had farther-reaching implications. In the 21st century United States academy, our populations will grow more diverse, not less. There are, at least, 17

Ph.D. granting institutions in Black Studies across the United States. Top-tier research universities tend to have departments in African American and African Studies that are both graduate and undergraduate degree-granting units. At this point, the number of Black Studies departments offering undergraduate degrees continues to expand in order to meet the needs of diverse students and their demands for the 21st century academy.

For these reasons, and many more, the AAAS program became a department on July 1, 2019.

The new Department of African American and African Studies embraces diverse scholarly approaches to research, teaching, and civic engagement required for comprehensive study within the larger Black Studies discipline. AAAS is ready to offer an undergraduate major that reflects the goals, aspirations, and specializations of the new department and faculty. It is the intention of AAAS to remain in good relations with individual faculty, centers, and colleges who supported the AAAS program, appreciate the new vision of the department, and practice reciprocal interdependence.

African American and African Studies is essential to the mission of diversity, equity and inclusion at Michigan State University. It is also integrally connected to the core values, strategic priorities and initiatives of the College of Arts and Letters, specifically interdisciplinary, critical diversity, inclusion, and community engagement.

An undergraduate major is the only degree that the program did not previously offer but we believe is absolutely critical to the new build of AAAS. The major will serve students to broaden their appreciation of the value of differences as we continue to identify and address historical and intentional exclusion of racially and ethnically diverse peoples, especially Black peoples. Given demographic and principled changes in the way we constitute higher education, all MSU students need and deserve stronger educational exposure to the reality of Black people's presence and contributions to the development of economics, politics, values, and cultural expressions. An African American and African Studies department, with undergraduate major degree-granting authority, can contribute greatly toward this end while also carrying out MSU's core values of quality, connectivity, and inclusivity.

For the AAAS department to serve the university, we must have the capacity to generate a robust learning community that will enhance both graduate and undergraduate experiences at MSU. An undergraduate major in AAAS, which our students have been asking for, is warranted and long overdue.

In becoming a department, the major is a source of curricular alignment. Without a major, the department would risk producing some of the same problems of the AAAS program. More importantly, undergraduate students were often underserved by a lack of curricular symmetry between the graduate degrees and the undergraduate minor. The move to a department was to directly address how AAAS students were underserved by the previous structure. Therefore, the creation of a new AAAS undergraduate major is a continuation of the goal to meet the needs of MSU students.

b. **Academic Programs Catalog Text:**

The Bachelor of Arts degree in African American and African Studies offers students the opportunity to engage and explore the lives, worlds, and cultural practices of Black peoples. Students are encouraged to study and appreciate the complexity of Black communities as well as the particularities of Blackness as it is lived, imagined, and created. Students are also directed to the promise and possibilities of collaborative, interdisciplinary work and research.

Multiple elements define the course of study for the major, including interconnected, required courses exploring Black Feminisms, Genders, and Sexualities Studies, as well as encouragement of diverse understandings and approaches to knowledge production with and about Black peoples. The degree program offers three concentrations: Communities in Action, Creative Expression, Culture and Performance, and Black Institutions, Sustainability, and Statecraft.

**Requirements for the Bachelor of Arts Degree in African American and African Studies**

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of the catalog; 120 credits, including general elective credits, are required for the Bachelor of Arts degree in African American and African Studies.  
 The University's Tier II writing requirement for the African American and African Studies major is met by completing African American and African Studies 495. That course is referenced in item 3. below.
2. The requirements of the College of Arts and Letters for the Bachelor of Arts degree.
3. The following requirements for the major:

				CREDITS
a.			All of the following courses (12 credits):	
	AAAS	100	Pathways in AAAS	3
	AAAS	200	Black Feminisms: Past, Present and Futures	3
	AAAS	201	Black Sexualities Studies: Past, Present and Futures	3
	AAAS	202	Black Genders Studies: Past, Present and Futures	3
b.			Complete 3 courses from one of the following concentrations (9 credits):	
			<b>Communities in Action</b>	
	AAAS	300	Communities in Action	3
	AAAS	303	Black Girlhood Studies	3
	AAAS	306	Black Language and Literacy	3
	AAAS	401	Social Media and New Journalism	3
	AAAS	404	Black Ecologies and Environmental Justice	3
			<b>Creative Expression, Culture, and Performance</b>	
	AAAS	301	Creative Expression, Culture, and Performance	3
	AAAS	304	Afrofuturism	3
	AAAS	307	Creative Expression as Craft	3
	AAAS	402	Producing Culture	3
	AAAS	405	Black Entrepreneurship and Hustle	3
			<b>Black Institutions, Sustainability, and Statecraft</b>	
	AAAS	302	Black Institutions, Sustainability, and Statecraft	3
	AAAS	305	Black People and Land	3
	AAAS	308	Black Spirituality and Religion	3
	AAAS	403	Institutions and Oppression	3
	AAAS	406	Pedagogies of Protests	3
c.			Complete 4 elective courses in 300-400 level AAAS courses as approved by the undergraduate advisor (12 credits).	
d.			The following course (3 credits):	
	AAAS	495	Writing for Our Lives (W)	3

Effective Fall 2021.

4. Change the administrative responsibility of the **Minor in African American and African Studies** in the College of Arts and Letters to the Department of African American and African Studies.
5. Change the requirements for the **Minor in African American and African Studies** in the Department of African American and African Studies.
  - a. Under the heading **Requirements for the Minor in African American and African Studies** replace the entire entry with the following:

Students must complete 15 credits from one of the following tracks:

**Social Science Track**

1. The following course (3 credits):
 

	AAAS	100	Pathways into AAAS	3
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2. Two of the following courses (6 credits):

AAAS	200	Black Feminisms: Past, Present and Futures	3
AAAS	201	Black Sexualities Studies: Past, Present and Futures	3
AAAS	202	Black Genders Studies: Past, Present and Futures	3
3. Two of the following courses with at least 3 credits at the 300-400 level (6 credits):

ANP	330	Race, Ethnicity, and Nation: Anthropological Approaches to Collective Identity	3
HDFS	442	Ethnic Families in America	3
HST	208	Introduction to African History, Culture and Society	4
HST	310	African American History to 1876	3
HST	311	African American History since 1876	3
HST	312	African American Women	3
HST	364	South Africa: From Shaka Zulu to Mandela	3
HST	383	The Caribbean	3
PLS	304	Minority Politics	3
PLS	351	African Politics	3
SOC	214	Social Inequality	3
SOC	375	Urban Sociology	3

**Humanities Track**

  1. The following course (3 credits):

AAAS	100	Pathways in AAAS	3
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  2. Two of the following courses (6 credits):

AAAS	200	Black Feminisms: Past, Present and Futures	3
AAAS	201	Black Sexualities Studies: Past, Present and Futures	3
AAAS	202	Black Genders Studies: Past, Present and Futures	3
  3. Complete a minimum of 6 credits of 300-400 level courses in AAAS.

Effective Fall 2021.

6. Change the administrative responsibility of the **Master of Arts** degree in **African American and African Studies** from the College of Arts and Letters to the Department of African American and African Studies.
7. Change the requirements for the **Master of Arts** degree in **African American and African Studies** in the Department of African American and African Studies. The University Committee on Graduate Studies (UCGS) approved this request at its January 11, 2021 meeting.
  - a. Under the heading **Admission** replace the entire entry with the following:

To be considered for admission, an applicant must:

    1. Submit a resume or curriculum vitae (CV).
    2. Submit a personal statement and an academic purpose stating personal and professional goals, disciplinary interests in AAAS, and desired concentration of study.
    3. Submit two copies of official transcripts demonstrating an earned Bachelor's degree in an area of study appropriate for advanced work in AAAS.
    4. Submit three letters of recommendation from persons acquainted with your course work, professional experience, and community works using the University's Letter of Recommendation Form for Admission.

In addition to meeting the requirements of the university and the College of Arts and Letters, students must meet the requirements specified below.
  - b. Under the heading **Requirements for the Master of Arts Degree in African American and African Studies** replace the entire entry with the following:

The program is available under Plan A (with thesis) and Plan B (without thesis). A total of 33 credits is required. With the approval of the student's advisor, the student must choose an area of concentration. The student must:

1. Complete both of the following courses (6 credits):
 

	AAAS 833	Black Worlds: Historical and Contemporary Issues	3
	AAAS 834	Black Worlds: Theories and Methodologies	3
2. Complete 9 credits in the tutorial suite courses. Students must take 4 credits in one tutorial course. The maximum amount of credits allowed in any one tutorial course is 6 credits.
 

	AAAS 840	Black Girlhood Studies	1 to 3
	AAAS 850	Black Cultures and Institutions	1 to 3
	AAAS 860	Black Speculative Ecologies	1 to 3
3. Complete 9 elective credits from the following. At least 3 credits must be at the 800-level.
 

	AAAS 821	Collaboration, Research and Methodologies	3
	AAAS 841	Seminar in Black Feminist Studies	3
	AAAS 861	Seminar in Black Sexualities Studies	3
	AAAS 871	Seminar in Black Genders Studies	3
	AAAS 891	Special Topics in African American and African Studies	3
	AAAS 893A	Pedagogical Project	3
	AAAS 893C	Community Engagement Project	3
	Other AAAS 400 level or higher courses relevant to AAAS as approved by an academic advisor		
4. Complete the following Professional Development requirements (3 credits):
 

	AAAS 895	Professional Development	2
	AAAS 897	Colloquium	1

**Additional Requirements for Plan A:**

  1. Both of the following courses (6 credits):
 

	AAAS 892	Master's Thesis Planning	2
	AAAS 899	Master's Thesis Research	4

**Additional Requirements for Plan B:**

  1. Both of the following courses:
 

	AAAS 894	Master's Project Planning	2
	AAAS 898	Master's Capstone Project	4

Effective Fall 2021.

8. Change the administrative responsibility of the **Doctor of Philosophy** degree in **African American and African Studies** from the College of Arts and Letters to the Department of African American and African Studies.
9. Change the requirements for the **Doctor of Philosophy** degree in **African American and African Studies** in the Department of African American and African Studies. The University Committee on Graduate Studies (UCGS) approved this request at its January 11, 2021 meeting.
  - a. Under the heading **Admission** replace the entire entry with the following:
 

To be considered for admission to the Doctor of Philosophy degree in African American and African Studies, an applicant must:

    1. Submit a personal statement, written or audio.
    2. Submit a written statement of academic purpose stating professional goals and disciplinary interests in AAAS.
    3. Submit a writing sample, usually a recent research paper, or sample of creative work, to the Department of African American and African Studies in the College of Arts and Letters.

To be admitted, the applicant must have a master's degree in an appropriate field or have completed at least 30 credits of approved course work beyond the bachelor's degree.

- b. Under the heading **Requirements for the Doctor of Philosophy Degree in African American and African Studies** replace the entire entry with the following:

In addition to meeting the requirements of the University and the College of Arts and Letters, students must complete 24 credits of AAAS 999 Doctoral Dissertation Research and the approved course of study as approved by the student's guidance committee. Students will submit a dissertation proposal to the guidance committee and pass an oral examination in defense of the proposal. Students must successfully defend the doctoral dissertation.

Effective Fall 2021.

10. Change the requirements for the **Minor in Fiction Filmmaking** in the Department of English.

- a. Under the heading **Prerequisite Courses** replace the entry with the following:

1. The following course:  
FLM 230 Introduction to Film 4
2. One of the following courses:  
CAS 112 Story, Sound and Motion 3  
FLM 260 Introduction to Digital Film and Emergent Media 4

- b. Under the heading **Minor in Fiction Filmmaking** make the following changes:

- (1) In item 3. delete the following courses:

FLM	260	Introduction to Digital Film and Emergent Media	4
MI	341	Filmmaking II	3
MI	344	Sound Design for Cinema, Television, and Games	3
MI	351	Producing for Cinema and Television	3
MI	440	Advanced Video Editing	3
MI	441	Advanced Lighting and Camera Techniques	3

Add the following courses:

DS	341	Filmmaking II: Creating Short Films	3
DS	344	Sound Design for Cinema, Television, and Games	3
DS	351	Producing for Cinema and Television	3
DS	409	Advanced Lighting and Camera Techniques	3
DS	440	Advanced Video Editing	3

Effective Fall 2021.

11. Change the requirements for the **Minor in Cognitive Science** in the Department of Linguistics and Germanic, Slavic, Asian and African Languages.

- a. Under the heading **Requirements for the Minor in Cognitive Science** make the following changes:

- (1) In item 2. delete the following courses:

CSE	484	Information Retrieval	3
IBIO	403	Integrative Neurobiology	3
IBIO	413	Laboratory in Behavioral Neuroscience (W)	4
PHL	360	Philosophy of Language	3
PSY	402	Sensation and Perception (W)	3

Add the following courses:

CSD	364	Evaluation Procedures in Speech-Language Pathology	3
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CSE	404	Introduction to Machine Learning	3
LIN	226	Language and the Animals	3
LIN	427	Laboratory Phonetics	3
PHL	361	Knowledge and Reality	3
PSY	302	Sensation and Perception	3
PSY	413	Laboratory in Behavioral Neuroscience (W)	4

- (2) Replace item 3. with the following:

Complete at least 9 additional credits in course work from at least two additional areas as approved for by the advisor for the minor. If you are taking the minor to fulfill the College of Social Science minor requirement, you must take PSY 302 or 401 or 410 as the capstone and at least one additional course from Psychology.

Effective Fall 2021.

12. Change the requirements in the **Master of Arts** degree in **Linguistics** in the Department of Linguistics and Germanic, Slavic, Asian and African Languages. The University Committee on Graduate Studies (UCGS) approved this request at its February 8, 2021 meeting.

- a. Under the heading **Requirements for the Master of Arts Degree in Linguistics** replace the entire entry with the following:

The program is available under both Plan A (with thesis) and Plan B (without thesis). A total of 30 credits is required for the degree under either Plan A or Plan B. The student's program of study must be approved by the student's academic advisor. The student must meet the requirements specified below:

**Requirements for the Master of Arts Degree in Linguistics**

	CREDITS
1. Complete all of the following courses with a grade of at least 3.0 in each course (12 credits):	
LIN 824 Phonological Theory I	3
LIN 827 Phonetics I	3
LIN 834 Syntactic Theory I	3
LIN 837 Semantics and Pragmatics I	3
2. Complete two of the following courses, one of which must be LIN 825 or 835 (6 credits):	
LIN 825 Phonological Theory II	3
LIN 828 Phonetics II	3
LIN 835 Syntactic Theory II	3
LIN 838 Semantics and Pragmatics II	3
An 800-level 3-credit Linguistics seminar or independent study in syntax, phonology, phonetics, semantics or pragmatics may be substituted for one course above.	
3. Complete one additional 3-credit linguistics course excluding LIN 890 that is not a course in phonetics, phonology, syntax, or semantics/pragmatics. Additional courses may be required by the student's guidance committee.	

**Additional Requirements for Plan A**

- Complete 4 credits of LIN 899 Master's Thesis Research. No more than 4 credits of LIN 899 may be counted toward the degree.
- Complete 5 additional credits in courses approved by the student's academic advisor.
- Pass an oral examination in defense of the thesis.

**Additional Requirements for Plan B**

- Complete 9 additional credits in courses approved by the student's academic advisor.
- Pass a written final certifying examination in an area of linguistics.

Effective Fall 2021.

13. Change the requirements in the **Doctor of Philosophy** degree in **Linguistics** in the Department of Linguistics and Germanic, Slavic, Asian and African Languages. The University Committee on Graduate Studies (UCGS) approved this request at its February 8, 2021 meeting.

a. Under the heading **Requirements for the Doctor of Philosophy Degree in Linguistics** replace the entire entry with the following:

The student must:

1. Complete all of the following courses (12 credits). Any of the following courses or their equivalents may have been completed prior to enrolling in the Doctor of Philosophy degree program in Linguistics.

			CREDITS
LIN	824	Phonological Theory I	3
LIN	827	Phonetics I	3
LIN	834	Syntactic Theory I	3
LIN	837	Semantics and Pragmatics I	3

2. Complete two of the following courses, one of which must be LIN 825 or 835 (6 credits):

LIN	825	Phonological Theory II	3
LIN	828	Phonetics II	3
LIN	835	Syntactic Theory II	3
LIN	838	Semantics and Pragmatics II	3

An 800-level 3-credit Linguistics seminar or independent study in syntax, phonology, phonetics, semantics or pragmatics may be substituted for one course above.

3. Complete two additional course excluding LIN 890, at least one of which must be a linguistics course and which must not be a course in phonetics, phonology, syntax, or semantics/pragmatics. Additional courses may be required by the student's guidance committee.

4. Pass the comprehensive examination by submitting two research papers of a quality consonant with a presentation at a peer-reviewed conference in the subfield in two different areas of linguistics and passing an oral examination for each paper. At least one of the papers must be in phonetics, phonology, syntax, semantics, or pragmatics.

b. Under the heading **Academic Standards**, replace item 2. with the following:

1. Not accumulate more than 6 credits with a grade below 3.0 in LIN courses.

Effective Fall 2021.

14. Change the requirements for the **Minor in Philosophy** in the Department of Philosophy.

a. Under the heading **Requirements for the Minor in Philosophy** make the following changes:

(1) In item 2. delete the following course:

PHL	101	Introduction to Philosophy	3
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Add the following courses:

PHL	212	Latin American Philosophy	3
PHL	213	Africana Philosophy	3
PHL	214	Indigenous Philosophy	3

Effective Fall 2021.

15. Change the requirements for the **Minor in Philosophy and Law** in the Department of Philosophy.
- a. Under the heading **Requirements for the Minor in Philosophy and Law** make the following change:
- (1) In item 3., delete the following course:
- |     |     |                    |   |
|-----|-----|--------------------|---|
| PHL | 351 | African Philosophy | 3 |
|-----|-----|--------------------|---|
- Add the following course:
- |     |     |                    |   |
|-----|-----|--------------------|---|
| PHL | 315 | African Philosophy | 3 |
|-----|-----|--------------------|---|
- (2) Change the credits of item 5. from '4 to 8' to '3 to 6'.

Effective Fall 2021.

16. Change the requirements for the **Bachelor of Fine Arts** degree in **Studio Art** in the Department of Art, Art History, and Design.
- a. Under the heading **Requirements for the Bachelor of Fine Arts Degree in Studio Art** make the following changes:
- (1) In item 3. a. (3) *Studio Art Senior Project courses and internships*, add Electronic Art and Intermedia: Studio Art 480S.
- (2) In item 3. a. (3) *Studio Art Senior Project courses and internships*, add Photography: Studio Art 476S.

Effective Fall 2021.

17. Change the requirements for the **Master of Fine Arts** degree in **Theatre** in the Department of Theatre. The University Committee on Graduate Studies (UCGS) approved this request at its February 8, 2021 meeting.
- a. Under the heading **Requirements for the Master of Fine Arts Degree in Theatre** make the following changes:
- (1) Under the **Acting** concentration delete the following course:
- |     |     |                             |    |
|-----|-----|-----------------------------|----|
| THR | 894 | Special Projects in Theatre | 10 |
|-----|-----|-----------------------------|----|
- Add the following courses:
- |     |     |                              |   |
|-----|-----|------------------------------|---|
| THR | 841 | Advanced Directing Practices | 3 |
| THR | 894 | Special Projects in Theatre  | 7 |
- (2) Under the **Design** concentration make the following changes in item (1):
- (a) Delete the following course:
- |     |     |                       |   |
|-----|-----|-----------------------|---|
| THR | 819 | Applied Design Studio | 1 |
|-----|-----|-----------------------|---|
- (b) Change the total credits in item (1) from '40' to '39'.
- (c) Reletter item (3) to item (4).

(d) Add the following item (3):

One of the following courses (1 credit):			
THR	819	Applied Design Studio	1
THR	819A	Applied Design Studio: Scenery	1
THR	819B	Applied Design Studio: Costume	1
THR	819C	Applied Design Studio: Lighting	1
THR	819D	Applied Design Studio: Sound	1
THR	819E	Applied Design Studio: Media	1

Effective Fall 2021.

18. Change the requirements for the **Bachelor of Arts** degree in **Women's and Gender Studies** in the Program in Women, Gender and Social Justice.

a. Under the heading **Requirements for the Bachelor of Arts Degree in Women's and Gender Studies** make the following changes:

(1) In item 3. b. delete the following course:

HST	421	Women and Gender in Africa	3
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(2) In item 3. c. under *Gender, Race, Ethnicity, and History* add the following courses:

WS	102	Navigating Sex and Gender in Everyday Life	2
WS	307	Women of Color Feminisms	3

(3) In item 3. c. under *Sexuality and Conflict/Violence* delete the following course:

SOC	215	Race and Ethnicity	3
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Add the following course:

WS	351	Gendered Violence and Intersections of Power	3
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(4) In item 3. c. under *Gender and the Arts and Humanities* add the following courses:

WS	102	Navigating Sex and Gender in Everyday Life	2
WS	307	Women of Color Feminisms	3

(5) In item 3. c. under *Gender Applied: Health, Urban, and Public Policy* add the following course:

PLS	304	Minority Politics	3
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Effective Fall 2021.

19. Change the requirements for the **Minor in Lesbian, Gay, Bisexual, Transgender, Queer and Sexuality Studies** in the Program in Women, Gender and Social Justice.

a. Under the heading **Requirements for the Specialization in Lesbian, Gay, Bisexual, Transgender, Queer and Sexuality Studies** make the following changes:

(1) In item 2., add the following course:

WS 102 Navigating Sex and Gender in Everyday Life 2

(2) In item 3., add the following course:

THR 336 Sex, Sexuality, and Theatre 3

(3) Under the option available to Social Science majors make the following change:

(a) In item 3. delete the following course:

NEU 215 Neuroscience and Society 3

Effective Fall 2021.

### **ELI BROAD COLLEGE OF BUSINESS**

1. Change the requirements for the **Bachelor of Arts** degree in **Supply Chain Management** in the Department of Supply Chain Management.

a. Under the heading **Requirements for the Bachelor of Arts Degree in Supply Chain Management** make the following changes:

(1) In item 3. a. (1), change the total credits from '9' to '12' and add the following course:

SCM 475 Data Analytics in Supply Chain Management 3

Effective Fall 2021.

### **COLLEGE OF COMMUNICATION ARTS AND SCIENCES**

1. Change the requirements for the **Bachelor of Arts** degree in **Public Relations** in the Department of Advertising and Public Relations.

a. Under the heading **Admission**, in paragraph two, item 2., change Advertising 225 and 260 to Public Relations 225 and 260.

b. Under the heading **Requirements for the Bachelor of Arts Degree in Public Relations** in item 3. b. change 'ADV 225 and 260' to 'PR 225 and 260'.

Effective Fall 2021.

2. Change the requirements for the **Minor in Public Relations** in the Department of Advertising and Public Relations.
  - a. Under the heading **Admission**, in paragraph three, change Advertising 225 and 260 to Public Relations 225 and 260.

Effective Fall 2021.

### **COLLEGE OF EDUCATION**

1. Change the requirements for the **Graduate Certificate in K12 Computer Science Education** in the Department of Counseling, Educational Psychology, and Special Education. The University Committee on Graduate Studies (UCGS) approved this request at its February 8, 2021 meeting.
  - a. Under the heading **Admission** replace the statement with the following:

To be considered for admission into the Graduate Certificate in K12 Computer Science Education, applicants must have completed a bachelor's degree.

Effective Fall 2021.

### **COLLEGE OF ENGINEERING**

1. Change the requirements in the **Master of Science** degree in **Mechanical Engineering** in the Department of Mechanical Engineering. The University Committee on Graduate Studies (UCGS) approved this request at its February 8, 2021 meeting.
  - a. Under the heading **Requirements for the Master of Science Degree in Mechanical Engineering** replace the entire entry with the following:

The student must complete a total of 30 credits for the degree under either Plan A (with thesis) or Plan B (without thesis) and meet the requirements specified below. A maximum of 9 credits may be at the 400-level. A maximum of 4 credits may be taken from ME 490 and ME 990 combined.

#### **Requirements for Both Plan A and Plan B**

The student must:

1. Complete one course from each of the following areas:

#### **Fluid-Thermal Science and Engineering**

ME	810	Advanced Classical Thermodynamics	3
ME	812	Conductive Heat Transfer	3
ME	814	Convective Heat Transfer	3
ME	819	Combustion	3
ME	830	Fluid Mechanics I	3
ME	840	Computational Fluid Dynamics and Heat Transfer	3
ME	842	Advanced Turbomachinery	3
ME	872	Finite Element Method	3

#### **Dynamic Systems and Control**

ECE	851	Linear Systems and Control	3
ME	860	Theory of Vibrations	3
ME	861	Advanced Dynamics	3
ME	891	Selected Topics in Mechanical Engineering	1 to 4

The topic for ME 891 must be approved by the student's guidance committee.

**Solid Mechanics, Design, and Manufacturing and Biomechanics**

ME	820	Continuum Mechanics	3
ME	821	Linear Elasticity	3
ME	826	Laminated Composite Materials	3
ME	872	Finite Element Method	3
ME	891	Selected Topics in Mechanical Engineering	1 to 4

The topic for ME 891 must be approved by the student's guidance committee.

**Additional Requirements for Plan A**

1. Complete at least 21 credits in courses at the 800–900 level including at least 6, but not more than 8, credits in Mechanical Engineering 899.
2. Submit a brief thesis proposal for approval by the student's academic advisor early in the student's program of study.
3. Pass an oral examination in defense of the thesis.

**Additional Requirements for Plan B**

1. Complete 21 credits in courses at the 800-900 level.
2. Complete a final evaluation.

Effective Fall 2021.

**COLLEGE OF SOCIAL SCIENCE**

1. Change the **Graduation Requirements for the Bachelor of Arts and the Bachelor of Science** degrees in the **College of Social Science**. The University Committee on Undergraduate Education (UCUE) approved this request at its February 4, 2021 meeting
  - a. Under the heading **Graduation Requirements for the Bachelor of Arts and Bachelor of Science Degrees in the College of Social Science** replace the entire entry with the following:

To ensure an appropriately broad and well-balanced education, all undergraduates enrolled in the College of Social Science must satisfy the following subject matter and credit requirements, in addition to the graduation requirements of the University as described in the *Undergraduate Education* section of this catalog.

The following restrictions pertain to all courses taken in fulfillment of requirements for the Bachelor of Arts and Bachelor of Science degrees in the College of Social Science:

1. Courses applied to the university requirements in Integrative Studies and Mathematics may not also be counted toward the college graduation requirements.
2. Unless otherwise noted, no more than two courses offered by a student's major department or school may be counted toward the college requirements.
3. Only credits in courses graded on the numerical, Pass-No Grade, or S-NS systems may be counted toward college and major requirements, i.e. courses taken in satisfaction of college and major requirements may not be taken on a Credit-No Credit basis.
4. Complete the requirements of a major of no fewer than 30 credits with a minimum 2.0 grade-point average for courses in the major.

**All candidates must meet the following requirements:**

**Bachelor of Arts**

A. EXPERIENTIAL LEARNING REQUIREMENT

All students must complete an experiential learning requirement. The experiential learning requirement may be satisfied either within or outside the requirements of the major. The requirement may be met by completing a 3 or 4-credit experiential learning course, approved by the College of Social Science Committee on Curriculum and Academic Policy or its designee. A list of approved courses will be maintained by the College of Social Science. The experiential learning requirement is designed to ensure that each undergraduate student will have the opportunity to enhance problem-solving and

integrative reasoning skills through practice outside of the traditional classroom learning environment. Study abroad and study away experiences, internships, service learning and civic engagement experiences, undergraduate research, including, in appropriate cases, honors theses, and entrepreneurship experiences can meet this requirement. The requirement may also be met through a non-credit experience, for example, an undergraduate research experience mentored by a faculty member, if approved in advance by the College of Social Science Committee on Curriculum and Academic Policy or its designee. For further information, consult the Office of Student Affairs in the College of Social Science or an academic advisor in a department or school.

**B. INTERDISCIPLINARY MINOR REQUIREMENT**

Complete a minimum of 15 credits in one Interdisciplinary Minor from a list of minors approved by the College of Social Science Committee on Curriculum and Academic Policy. Minors approved for this requirement include: African American and African Studies (Social Science Track), African Studies; Asian Pacific American Studies (Social Science Track); Asian Studies; Chicano/Latino Studies; Cities: Environment, Design and Society; Cognitive Science (Social Science Track); Environment and Health; Human Behavior and Social Services; International Development; Latin American and Caribbean Studies; Jewish Studies (Social Science Track); Law, Justice, and Public Policy; Leadership of Organizations; Lesbian, Gay, Bisexual, Transgender, Queer and Sexuality Studies (Social Science Track); Peace and Justice Studies (Social Science Track); Race and Ethnicity in the United States; Social Science Quantitative Data Analytics; Women's and Gender Studies (Social Science Track); Youth and Society. Other interdisciplinary minors can meet this requirement if approved by the College of Social Science Committee on Curriculum and Academic Policy or its designee. For further information, consult the Office of Student Affairs in the College of Social Science or an academic advisor in a department or school.

**C. DISTRIBUTION REQUIREMENTS**

1. Complete a minimum of 30 credits in courses numbered at the 300 level and above. Courses offered by the student's major department or school may be used to satisfy this requirement.
2. A maximum of 12 credits of independent study may be applied to the degree.
3. A maximum of 12 credits of internship, field experience, or practicum credits may be applied to the degree.
4. The total of independent study, internship, field experience, and practicum credits applied to the degree may not exceed 20 credits.

**Bachelor of Science**

**A. EXPERIENTIAL LEARNING REQUIREMENT**

All students must complete an experiential learning requirement. The experiential learning requirement may be satisfied either within or outside the requirements of the major. The requirement may be met by completing a 3 or 4-credit experiential learning course, approved by the College of Social Science Committee on Curriculum and Academic Policy or its designee. A list of approved courses will be maintained by the College of Social Science. The experiential learning requirement is designed to ensure that each undergraduate student will have the opportunity to enhance problem-solving and integrative reasoning skills through practice outside of the traditional classroom learning environment. Study abroad and study away experiences, internships, service learning and civic engagement experiences, undergraduate research, including, in appropriate cases, honors theses, and entrepreneurship experiences can meet this requirement. The requirement may also be met through a non-credit experience, for example, an undergraduate research experience mentored by a faculty member, if approved in advance by the College of Social Science Committee on Curriculum and Academic Policy or its designee. For further information, consult the Office of Student Affairs in the College of Social Science or an academic advisor in a department or school.

B. INTERDISCIPLINARY MINOR REQUIREMENT

Complete a minimum of 15 credits in one Interdisciplinary Minor from a list of minors approved by the College of Social Science Committee on Curriculum and Academic Policy. Minors approved for this requirement include: African American and African Studies (Social Science Track), African Studies; Asian Pacific American Studies (Social Science Track); Asian Studies; Chicano/Latino Studies; Cities: Environment, Design and Society; Cognitive Science (Social Science Track); Environment and Health; Human Behavior and Social Services; International Development; Latin American and Caribbean Studies; Jewish Studies (Social Science Track); Law, Justice, and Public Policy; Leadership of Organizations; Lesbian, Gay, Bisexual, Transgender, Queer and Sexuality Studies (Social Science Track); Peace and Justice Studies (Social Science Track); Race and Ethnicity in the United States; Social Science Quantitative Data Analytics; Women's and Gender Studies (Social Science Track); Youth and Society. Other interdisciplinary minors can meet this requirement if approved by the College of Social Science Committee on Curriculum and Academic Policy or its designee. For further information, consult the Office of Student Affairs in the College of Social Science or an academic advisor in a department or school.

C. SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS REQUIREMENT

Complete a minimum of 12 credits in Science, Technology, Engineering, and Mathematics courses that is a part of each BS major as approved by academic governance. If these courses are listed as part of a student's B.S. major, the student must complete 12 credits from the major's STEM list. If these courses are not listed as part of a student's B.S. major, the student must complete 12 credits from a list maintained by the College of Social Science Committee on Curriculum.

D. DISTRIBUTION REQUIREMENTS

1. Complete a minimum of 30 credits in courses numbered at the 300 level and above. Courses offered by the student's major department or school may be used to satisfy this requirement.
2. A maximum of 12 credits of independent study may be applied to the degree.
3. A maximum of 12 credits of internship, field experience, or practicum credits may be applied to the degree.
4. The total of independent study, internship, field experience, and practicum credits applied to the degree may not exceed 20 credits.

Effective Fall 2021.

2. Change the requirements for the **Bachelor of Science** degree in **Economic Geography** in the Department of Geography, Environment, and Spatial Sciences.

- a. Under the heading **Requirements for the Bachelor of Arts Degree in Economic Geography** make the following changes:

- (1) In item 3. a. h., delete the following courses:

CSUS	447	Community Economic Development	3
EEP	320	Environmental Economics	3

Add the following course:

AFRE	320	Environmental Economics	3
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(2) Add the following item 4.:

4. Other Required Courses (12 credits):  
 Complete a 12 credits in Science, Technology, Engineering, and Mathematics (STEM) courses from the following list of courses: Fulfillment of this requirement also meets the College of Social Science STEM Graduation Requirement for the Bachelor of Science degree and may not concurrently satisfy a University requirement.

AST	101	The Celestial Clockworks	1
AST	207	The Science of Astronomy	3
AST	208	Planets and Telescopes	3
BE	101	Introduction to Biosystems Engineering	1
BE	230	Engineering Analysis for Biological Systems	3
BS	161	Cell and Molecular Biology	3
BS	162	Organismal and Population Biology	3
BS	171	Cell and Molecular Biology Laboratory	2
BS	172	Organismal and Population Biology Laboratory	2
CE	221	Statics	3
CE	273	Civil and Environmental Engineering Measurements	2
CE	274	Graphics for Civil and Environmental Engineers	1
CE	275	GIS for Civil and Environmental Engineers	1
CEM	141	General Chemistry	4
CEM	142	General and Inorganic Chemistry	3
CEM	143	Survey of Organic Chemistry	3
CEM	151	General and Descriptive Chemistry	4
CEM	152	Principles of Chemistry	3
CEM	161	Chemistry Laboratory I	1
CEM	162	Chemistry Laboratory II	1
CEM	251	Organic Chemistry I	3
CEM	252	Organic Chemistry II	3
CEM	255	Organic Chemistry Laboratory	2
CEM	262	Quantitative Analysis	3
CHE	201	Material and Energy Balances	3
CHE	210	Modeling and Analysis of Transport Phenomena	3
CMSE	201	Computational Modeling and Data Analysis I	4
CMSE	202	Computational Modeling and Data Analysis II	4
CSE	102	Algorithmic Thinking and Programming	3
CSE	201	Fundamentals of Information Technology	3
CSE	220	Programming in C	3
CSE	231	Introduction to Programming I	3
CSE	232	Introduction to Programming II	3
CSE	260	Discrete Structures in Computer Science	4
CSS	101	Introduction to Crop Science	3
CSS	210	Fundamentals of Soil Science	3
CSUS	200	Introduction to Sustainability	3
ECE	101	Introduction to Electrical and Computer Engineering	1
ECE	201	Circuits and Systems I	3
ECE	202	Circuits and Systems II	3
ECE	203	Electric Circuits and Systems Laboratory	1
ECE	230	Digital Logic Fundamentals	3
ECE	280	Electrical Engineering Analysis	3
EGR	100	Introduction to Engineering Design	2
EGR	102	Introduction to Engineering Modeling	2
EGR	292	Applications in Environmental Studies	2
ENE	280	Principles of Environmental Engineering and Science	3
ENT	110	Applied Entomology of Economic Plants	3
ENT	111	Basics of Applied Entomology	2
ENT	205	Pests, Society and Environment	3
FOR	101	Michigan's Forests	3
FOR	202	Introduction to Forestry	3
FOR	204	Forest Vegetation	3
FOR	222	Forestry Field Methods	2

FW	101	Fundamentals of Fisheries and Wildlife Ecology and Management	3
FW	110	Conservation and Management of Marine Resources	3
FW	181	Introduction to Science, Technology, the Environment, and Public Policy	3
FW	207	Great Lakes: Biology and Management	3
GLG	201	The Dynamic Earth	4
GLG	202	Geology of Michigan	3
ME	201	Thermodynamics	3
ME	222	Mechanics of Deformable Solids	3
ME	280	Graphic Communications	2
MSE	200	Materials and Society	2
MSE	250	Materials Science and Engineering	3
MSE	260	Electronic, Magnetic, Thermal, and Optical Properties of Materials	3
MTH	114	Trigonometry	3
MTH	126	Survey of Calculus II	3
MTH	133	Calculus II	4
MTH	201	Elementary Mathematics for Teachers I	3
MTH	202	Elementary Mathematics for Teachers II	3
MTH	234	Multivariable Calculus	4
MTH	235	Differential Equations	3
PHY	102	Physics Computations	1
PHY	170	Investigations in Physics	3
PHY	183	Physics for Scientists and Engineers I	4
PHY	184	Physics for Scientists and Engineers II	4
PHY	191	Physics Laboratory for Scientists, I	1
PHY	192	Physics Laboratory for Scientists, II	1
PHY	215	Thermodynamics and Modern Physics	3
PHY	231	Introductory Physics I	3
PHY	232	Introductory Physics II	3
PHY	251	Introductory Physics Laboratory I	1
PHY	252	Introductory Physics Laboratory II	1
PLB	105	Plant Biology	3
PLB	106	Plant Biology Laboratory	1
PLB	203	Biology of Plants	4
PLB	218	Plants of Michigan	3
STT	180	Introduction to Data Science	4
STT	200	Statistical Methods	3
STT	201	Statistical Methods	4
STT	224	Introduction to Probability and Statistics for Ecologists	3
STT	231	Statistics for Scientists	3
STT	250	Statistics and Probability for K-8 Teachers	4

Effective Fall 2021.

3. Change the requirements for the **Bachelor of Science** degree in **Environmental Geography** in the Department of Geography.

*The concentration in the Bachelor of Science degree in Environmental Geography is noted on the student's academic record when the requirements for the degree have been completed.*

- a. Under the heading **Requirements for the Bachelor of Science Degree in Environmental Geography** make the following changes:

- (1) Change item 3. to the following:

The following courses with a minimum 2.0 grade-point average across all attempted GEO courses (39 to 61 credits):

- (2) In item 3. a., add the following course:
- |    |     |            |   |
|----|-----|------------|---|
| LB | 118 | Calculus I | 4 |
|----|-----|------------|---|
- (3) In item 3. c. add the following courses:
- |     |     |                      |   |
|-----|-----|----------------------|---|
| GEO | 331 | Geography of Canada  | 3 |
| GEO | 340 | Geography of Eurasia | 3 |
- (4) In the concentration in **Atmospheric and Climate Sciences** make the following changes:
- (a) In item 2. delete the following courses:
- |      |     |   |   |
|------|-----|---|---|
| CSE  | 131 | Technical Computing and Problem Solving | 3 |
| IBIO | 303 | Oceanography                            | 4 |
- Add the following course:
- |     |     |              |   |
|-----|-----|--------------|---|
| GEO | 303 | Oceanography | 3 |
|-----|-----|--------------|---|
- (b) Change the note to the following:
- Students in the concentration may use GEO courses in items c., d., and e. above towards the College of Social Science college distribution requirement.
- (5) Add the following item 4.:
4. Other Required Courses (12 credits):  
 Complete a 12 credits in Science, Technology, Engineering, and Mathematics (STEM) courses from the following list of courses:  
 Fulfillment of this requirement also meets the College of Social Science STEM Graduation Requirement for the Bachelor of Science degree and may not concurrently satisfy a University requirement.
- |     |     |  |   |
|-----|-----|--|---|
| AST | 101 | The Celestial Clockworks                         | 1 |
| AST | 207 | The Science of Astronomy                         | 3 |
| AST | 208 | Planets and Telescopes                           | 3 |
| BE  | 101 | Introduction to Biosystems Engineering           | 1 |
| BE  | 230 | Engineering Analysis for Biological Systems      | 3 |
| BS  | 161 | Cell and Molecular Biology                       | 3 |
| BS  | 162 | Organismal and Population Biology                | 3 |
| BS  | 171 | Cell and Molecular Biology Laboratory            | 2 |
| BS  | 172 | Organismal and Population Biology Laboratory     | 2 |
| CE  | 221 | Statics  | 3 |
| CE  | 273 | Civil and Environmental Engineering Measurements | 2 |
| CE  | 274 | Graphics for Civil and Environmental Engineers   | 1 |
| CE  | 275 | GIS for Civil and Environmental Engineers        | 1 |
| CEM | 141 | General Chemistry                                | 4 |
| CEM | 142 | General and Inorganic Chemistry                  | 3 |
| CEM | 143 | Survey of Organic Chemistry                      | 3 |
| CEM | 151 | General and Descriptive Chemistry                | 4 |
| CEM | 152 | Principles of Chemistry                          | 3 |
| CEM | 161 | Chemistry Laboratory I                           | 1 |
| CEM | 162 | Chemistry Laboratory II                          | 1 |
| CEM | 251 | Organic Chemistry I                              | 3 |
| CEM | 252 | Organic Chemistry II                             | 3 |
| CEM | 255 | Organic Chemistry Laboratory                     | 2 |
| CEM | 262 | Quantitative Analysis                            | 3 |
| CHE | 201 | Material and Energy Balances                     | 3 |
| CHE | 210 | Modeling and Analysis of Transport Phenomena     | 3 |

## PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

CMSE	201	Computational Modeling and Data Analysis I	4
CMSE	202	Computational Modeling and Data Analysis II	4
CSE	102	Algorithmic Thinking and Programming	3
CSE	201	Fundamentals of Information Technology	3
CSE	220	Programming in C	3
CSE	231	Introduction to Programming I	3
CSE	232	Introduction to Programming II	3
CSE	260	Discrete Structures in Computer Science	4
CSS	101	Introduction to Crop Science	3
CSS	210	Fundamentals of Soil Science	3
CSUS	200	Introduction to Sustainability	3
ECE	101	Introduction to Electrical and Computer Engineering	1
ECE	201	Circuits and Systems I	3
ECE	202	Circuits and Systems II	3
ECE	203	Electric Circuits and Systems Laboratory	1
ECE	230	Digital Logic Fundamentals	3
ECE	280	Electrical Engineering Analysis	3
EGR	100	Introduction to Engineering Design	2
EGR	102	Introduction to Engineering Modeling	2
EGR	292	Applications in Environmental Studies	2
ENE	280	Principles of Environmental Engineering and Science	3
ENT	110	Applied Entomology of Economic Plants	3
ENT	111	Basics of Applied Entomology	2
ENT	205	Pests, Society and Environment	3
FOR	101	Michigan's Forests	3
FOR	202	Introduction to Forestry	3
FOR	204	Forest Vegetation	3
FOR	222	Forestry Field Methods	2
FW	101	Fundamentals of Fisheries and Wildlife Ecology and Management	3
FW	110	Conservation and Management of Marine Resources	3
FW	181	Introduction to Science, Technology, the Environment, and Public Policy	3
FW	207	Great Lakes: Biology and Management	3
GLG	201	The Dynamic Earth	4
GLG	202	Geology of Michigan	3
ME	201	Thermodynamics	3
ME	222	Mechanics of Deformable Solids	3
ME	280	Graphic Communications	2
MSE	200	Materials and Society	2
MSE	250	Materials Science and Engineering	3
MSE	260	Electronic, Magnetic, Thermal, and Optical Properties of Materials	3
MTH	114	Trigonometry	3
MTH	126	Survey of Calculus II	3
MTH	133	Calculus II	4
MTH	201	Elementary Mathematics for Teachers I	3
MTH	202	Elementary Mathematics for Teachers II	3
MTH	234	Multivariable Calculus	4
MTH	235	Differential Equations	3
PHY	102	Physics Computations	1
PHY	170	Investigations in Physics	3
PHY	183	Physics for Scientists and Engineers I	4
PHY	184	Physics for Scientists and Engineers II	4
PHY	191	Physics Laboratory for Scientists, I	1
PHY	192	Physics Laboratory for Scientists, II	1
PHY	215	Thermodynamics and Modern Physics	3
PHY	231	Introductory Physics I	3
PHY	232	Introductory Physics II	3
PHY	251	Introductory Physics Laboratory I	1
PHY	252	Introductory Physics Laboratory II	1

PLB	105	Plant Biology	3
PLB	106	Plant Biology Laboratory	1
PLB	203	Biology of Plants	4
PLB	218	Plants of Michigan	3
STT	180	Introduction to Data Science	4
STT	200	Statistical Methods	3
STT	201	Statistical Methods	4
STT	224	Introduction to Probability and Statistics for Ecologists	3
STT	231	Statistics for Scientists	3
STT	250	Statistics and Probability for K-8 Teachers	4

Effective Fall 2021.

4. Change the requirements for the **Bachelor of Science** degree in **Geographic Information Science** in the Department of Geography.

a. Under the heading **Requirements for the Bachelor of Science Degree in Geographic Information Science** make the following changes:

- (1) Change item 3. to the following:

The following courses with a minimum 2.0 grade-point average across all attempted GEO courses (41 to 44 credits):

- (2) In item 3. b., delete the following course:

CSE	131	Technical Computing and Problem Solving	3
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Add the following courses:

CMSE	201	Computational Modeling and Data Analysis I	4
CMSE	202	Computational Modeling and Data Analysis II	4

- (3) Add the following item 4.:

4. Other Required Courses (12 credits):  
 Complete a 12 credits in Science, Technology, Engineering, and Mathematics (STEM) courses from the following list of courses:  
 Fulfillment of this requirement also meets the College of Social Science STEM Graduation Requirement for the Bachelor of Science degree and may not concurrently satisfy a University requirement.

AST	101	The Celestial Clockworks	1
AST	207	The Science of Astronomy	3
AST	208	Planets and Telescopes	3
BE	101	Introduction to Biosystems Engineering	1
BE	230	Engineering Analysis for Biological Systems	3
BS	161	Cell and Molecular Biology	3
BS	162	Organismal and Population Biology	3
BS	171	Cell and Molecular Biology Laboratory	2
BS	172	Organismal and Population Biology Laboratory	2
CE	221	Statics	3
CE	273	Civil and Environmental Engineering Measurements	2
CE	274	Graphics for Civil and Environmental Engineers	1
CE	275	GIS for Civil and Environmental Engineers	1
CEM	141	General Chemistry	4
CEM	142	General and Inorganic Chemistry	3
CEM	143	Survey of Organic Chemistry	3

CEM	151	General and Descriptive Chemistry	4
CEM	152	Principles of Chemistry	3
CEM	161	Chemistry Laboratory I	1
CEM	162	Chemistry Laboratory II	1
CEM	251	Organic Chemistry I	3
CEM	252	Organic Chemistry II	3
CEM	255	Organic Chemistry Laboratory	2
CEM	262	Quantitative Analysis	3
CHE	201	Material and Energy Balances	3
CHE	210	Modeling and Analysis of Transport Phenomena	3
CMSE	201	Computational Modeling and Data Analysis I	4
CMSE	202	Computational Modeling and Data Analysis II	4
CSE	102	Algorithmic Thinking and Programming	3
CSE	201	Fundamentals of Information Technology	3
CSE	220	Programming in C	3
CSE	231	Introduction to Programming I	3
CSE	232	Introduction to Programming II	3
CSE	260	Discrete Structures in Computer Science	4
CSS	101	Introduction to Crop Science	3
CSS	210	Fundamentals of Soil Science	3
CSUS	200	Introduction to Sustainability	3
ECE	101	Introduction to Electrical and Computer Engineering	1
ECE	201	Circuits and Systems I	3
ECE	202	Circuits and Systems II	3
ECE	203	Electric Circuits and Systems Laboratory	1
ECE	230	Digital Logic Fundamentals	3
ECE	280	Electrical Engineering Analysis	3
EGR	100	Introduction to Engineering Design	2
EGR	102	Introduction to Engineering Modeling	2
EGR	292	Applications in Environmental Studies	2
ENE	280	Principles of Environmental Engineering and Science	3
ENT	110	Applied Entomology of Economic Plants	3
ENT	111	Basics of Applied Entomology	2
ENT	205	Pests, Society and Environment	3
FOR	101	Michigan's Forests	3
FOR	202	Introduction to Forestry	3
FOR	204	Forest Vegetation	3
FOR	222	Forestry Field Methods	2
FW	101	Fundamentals of Fisheries and Wildlife Ecology and Management	3
FW	110	Conservation and Management of Marine Resources	3
FW	181	Introduction to Science, Technology, the Environment, and Public Policy	3
FW	207	Great Lakes: Biology and Management	3
GLG	201	The Dynamic Earth	4
GLG	202	Geology of Michigan	3
ME	201	Thermodynamics	3
ME	222	Mechanics of Deformable Solids	3
ME	280	Graphic Communications	2
MSE	200	Materials and Society	2
MSE	250	Materials Science and Engineering	3
MSE	260	Electronic, Magnetic, Thermal, and Optical Properties of Materials	3
MTH	114	Trigonometry	3
MTH	126	Survey of Calculus II	3
MTH	133	Calculus II	4
MTH	201	Elementary Mathematics for Teachers I	3
MTH	202	Elementary Mathematics for Teachers II	3
MTH	234	Multivariable Calculus	4
MTH	235	Differential Equations	3

PHY	102	Physics Computations	1
PHY	170	Investigations in Physics	3
PHY	183	Physics for Scientists and Engineers I	4
PHY	184	Physics for Scientists and Engineers II	4
PHY	191	Physics Laboratory for Scientists, I	1
PHY	192	Physics Laboratory for Scientists, II	1
PHY	215	Thermodynamics and Modern Physics	3
PHY	231	Introductory Physics I	3
PHY	232	Introductory Physics II	3
PHY	251	Introductory Physics Laboratory I	1
PHY	252	Introductory Physics Laboratory II	1
PLB	105	Plant Biology	3
PLB	106	Plant Biology Laboratory	1
PLB	203	Biology of Plants	4
PLB	218	Plants of Michigan	3
STT	180	Introduction to Data Science	4
STT	200	Statistical Methods	3
STT	201	Statistical Methods	4
STT	224	Introduction to Probability and Statistics for Ecologists	3
STT	231	Statistics for Scientists	3
STT	250	Statistics and Probability for K-8 Teachers	4

Effective Fall 2021.

5. Establish a **Minor in Environmental Social Science** in the Department of Sociology. The University Committee on Undergraduate Education (UCUE) recommended approval of this request at its December 3, 2020.

a. **Background Information:**

Throughout our history, humans—as individuals and in groups, organizations, communities, and societies—have interacted with local, regional, and global environments in numerous ways that vary in their sustainability and their capacity for improving human well-being. Environmental problems such as climate change; biodiversity loss; plastic pollution in the oceans; forest fires; and toxic chemicals in our water, air, and soils are prominent in political arenas and in the public mind. The social sciences have long investigated the drivers, dynamics, and impacts of such human-environment interaction. Many opportunities exist for careers related to environmental social science: social services professionals; corporate sustainability officers; legal advocates; researchers; policy-makers; researchers; environmental educators; project managers. There are just as many opportunities for advanced study that builds upon undergraduate work on environmental social science: law; medicine; public health; and graduate degrees in many academic disciplines across the social sciences and humanities.

The proposed Minor in Environmental Social Science will be available to any MSU student enrolled in a bachelor's degree program. MSU is the land-grant university in Michigan, a state that has long been—and continues to be—shaped by human-environment interaction in the form of mining, forestry, and other forms of resource extraction; diverse forms of agriculture and fishing; nature-based recreation and tourism; and confrontation with a considerable legacy of industrial waste and habitat destruction. As such, understanding human-environment interaction should be a key focus of MSU's undergraduate education. Further, as MSU has long been an institutional leader in environmental education abroad and in international environmental research around the world, offering a Minor in Environmental Social Science strengthens learning opportunities for MSU undergraduates.

b. **Academic Programs Catalog Text:**

The Minor in Environmental Social Science, which is administered by the Department of Sociology, enhances the education of students who are interested in issues relating to the environment, including those who wish to prepare themselves for advanced degree programs in environmental social science or careers in related fields.

The minor is available as an elective to students who are enrolled in bachelor's degree programs at Michigan State University. 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.

Students who plan to complete the requirements of the minor should consult an undergraduate advisor in the College of Social Science.

**Requirements for the Minor in Environmental Social Science**

			CREDITS
Complete a minimum of 15 credits from the following:			
1.	The following course (3 credits):		
	SOC 252	Introduction to Environmental Sociology	3
2.	One of the following courses (3 credits):		
	ANP 443	Human Adaptability	3
	ANP 486	Environmental Archaeology	3
	EC 450	Economics of Environmental Policy (W)	3
	GEO 201	Introduction to Plant Geography	3
	GEO 203	Introduction to Meteorology	3
	GEO 204	World Regional Geography	3
	GEO 206	Physical Geography	3
	GEO 211	Environmental Policy and Practice	3
	HST 391	Environmental History of North America	3
	UP 488	The Sustainable and Climate Resilient City	3
3.	Two of the following courses (6 credits):		
	AFRE 206	World Food, Population, and Poverty	3
	AFRE 265	Ecological Economics	3
	CSUS 310	History of Environmental Thought and Sustainability	3
	CSUS 463	Food Fight: Politics of Food	3
	ENT 205	Pest, Society, and Environment	3
	FOR 330	Human Dimensions of Forests	3
	FW 434	Human Dimensions of Fisheries and Wildlife Management	3
	FW 439	Conservation Ethics	3
	IBIO 446	Environmental Issues and Public Policy	3
	PHL 342	Environmental Ethics	3
	REL 210	Religion and the Environment	3
4.	The following capstone course (3 credits):		
	SOC 452	Advanced Seminar in Environmental Sociology	3

Effective Fall 2021.

## **PART II - NEW COURSES**

### **DEPARTMENT OF ADVERTISING AND PUBLIC RELATIONS**

- PR 225 Writing for Public Relations  
Fall of every year. Spring of every year. Summer of every year. 3(3-0)  
Theory and practice of preparing written business communications for public relations.  
Effective Fall 2021
- PR 330 Social Media Management  
Fall of every year. Spring of every year. 3(3-0) RB: Familiarity with public relations, advertising, marketing and/or strategic communication concepts. R: Not open to freshmen.  
Strategies and tactics for social media in public relations and advertising. Identifying appropriate social media and digital platforms; planning and implementing strategic organizational communication programs; measuring success.  
Effective Fall 2021

### **DEPARTMENT OF AFRICAN AMERICAN AND AFRICAN STUDIES**

- AAAS 200 Black Feminisms: Past, Present, and Futures  
Fall of every year. 3(3-0) P: Completion of Tier I Writing Requirement  
Black feminist expressions, dialectics, arts, and/or politics, through discussions on language, the body, institutions, history, cultures, communal relations, exercises of freedom, and practices of resistance.  
Effective Fall 2021
- AAAS 201 Black Sexualities Studies: Past, Present, and Futures  
Spring of every year. 3(3-0) P: Completion of Tier I Writing Requirement  
Black Sexualities Studies through identity formation, dialectics, arts, and politics, through discussions on language, the body, institutions, history, cultures, politics, healing, exercises of freedom, and practices of resistance.  
Effective Fall 2021
- AAAS 202 Black Genders Studies: Past, Present, and Futures  
Fall of every year. 3(3-0) P: Completion of Tier I Writing Requirement  
Gender ideologies, ideologies that produce gender, pursuits of resistant imaginaries, and gender fluidity particularly in Black lifeworlds, expressions, activism, and politics.  
Effective Fall 2021
- AAAS 301 Creative Expression, Culture, and Performance  
Fall of odd years. Spring of even years. 3(3-0) P: AAAS 100 or AAAS 200 or AAAS 201 or AAAS 202  
Historical and contemporary significance of the arts in African American and African Studies.  
Effective Fall 2021
- AAAS 302 Black Institutions, Sustainability, and Statecraft  
Fall of even years. Spring of even years. 3(3-0) P: AAAS 100 or AAAS 200 or AAAS 201 or AAAS 202  
Historical, philosophical, and emerging topics related to Black institutions, sustainability, and management systems of centralized governments as it relates to Black sovereignty, self-determination, solidarities, and co-existence.  
Effective Fall 2021
- AAAS 303 Black Girlhood Studies  
Spring of odd years. 3(3-0) P: AAAS 100 or AAAS 200 or AAAS 201 or AAAS 202  
Emerging topics and themes in Black Girlhood Studies focusing on the knowledges, cultures, artistic expressions, politics and lived experiences of Black girls and femmes.  
Effective Fall 2021

- AAAS 304      Afrofuturism  
Spring of even years. 3(3-0) P: AAAS 100 or AAAS 200 or AAAS 201 or AAAS 202  
Examination of the social, cultural, and aesthetic discourses that constitute Afrofuturism.  
Effective Fall 2021
- AAAS 305      Black People and Land  
Spring of odd years. 3(3-0) P: AAAS 100 or AAAS 200 or AAAS 201 or AAAS 202  
Interdisciplinary study and examination of Black agrarian movements, Black land loss,  
struggles over land rights, nature poetry, and the “outdoors.”  
Effective Fall 2021
- AAAS 306      Black Language and Literacy  
Fall of even years. 3(3-0) P: AAAS 100 or AAAS 200 or AAAS 201 or AAAS 202  
Critical examination of linguistic hegemony and anti-Black linguistic racism related to  
Black Language and its historical, cultural, political, and racial underpinnings.  
Effective Fall 2021
- AAAS 307      Creative Expression as Craft  
Fall of even years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this  
course. P: AAAS 100 or AAAS 200 or AAAS 201 or AAAS 202  
Centers a medium of expression to explore how craft, community relations, and kinship  
are sources of creative imagination, thinking and world making.  
Effective Fall 2021
- AAAS 308      Black Spirituality and Religion  
Fall of odd years. 3(3-0) P: AAAS 100 or AAAS 200 or AAAS 201 or AAAS 202  
Legacies, challenges, and contemporary issues in Black spirituality and religion.  
Effective Fall 2021
- AAAS 401      Social Media and New Journalism  
Fall of even years. 3(3-0) P: {(AAAS 100) and (AAAS 200 or AAAS 201 or AAAS 202 or AAAS 300  
or AAAS 301 or AAAS 302 or AAAS 303 or AAAS 304 or AAAS 305 or AAAS 306)} or (AAAS 307  
or AAAS 308 or AAAS 390)  
Engagement with and analysis of various new and emergent media sources used to  
create social change emphasizing the power of telling and sharing stories.  
Effective Fall 2021
- AAAS 402      Producing Culture  
Fall of odd years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this  
course. P: {(AAAS 100) and (AAAS 200 or AAAS 201 or AAAS 202 or AAAS 300 or AAAS 301 or  
AAAS 302 or AAAS 303 or AAAS 304 or AAAS 305 or AAAS 306)} or (AAAS 307 or AAAS 308 or  
AAAS 390)  
Workshop course aimed at exploring and engaging Black aesthetics and modes of  
creative production with an emphasis on collective imagination and innovation.  
Effective Fall 2021
- AAAS 403      Institutions and Oppression  
Spring of even years. 3(3-0) P: {(AAAS 100) and (AAAS 200 or AAAS 201 or AAAS 202 or AAAS  
300 or AAAS 301 or AAAS 302 or AAAS 303 or AAAS 304 or AAAS 305 or AAAS 306)} or (AAAS  
307 or AAAS 308 or AAAS 390)  
Advanced exploration of the role of institutions in constraining and enabling oppression,  
diversity, inclusion, and difference.  
Effective Fall 2021
- AAAS 404      Black Ecologies and Environmental Justice  
Fall of odd years. 3(3-0) P: {(AAAS 100) and (AAAS 200 or AAAS 201 or AAAS 202 or AAAS 300  
or AAAS 301 or AAAS 302 or AAAS 303 or AAAS 304 or AAAS 305 or AAAS 306)} or (AAAS 307  
or AAAS 308 or AAAS 390)  
Current trends and perspectives in Black ecologies and environmental justice movements.  
Effective Fall 2021

- AAAS 405      Black Entrepreneurship and Hustle  
Spring of odd years. 3(3-0) P: {(AAAS 100) and (AAAS 200 or AAAS 201 or AAAS 202 or AAAS 300 or AAAS 301 or AAAS 302 or AAAS 303 or AAAS 304 or AAAS 305 or AAAS 306)} or (AAAS 307 or AAAS 308 or AAAS 390)  
Analyze, explore and practice entrepreneurship as it relates to Black communities, futures, and flourishing.  
Effective Fall 2021
- AAAS 406      Pedagogies of Protest  
Fall of even years. 3(3-0) P: {(AAAS 100) and (AAAS 200 or AAAS 201 or AAAS 202 or AAAS 300 or AAAS 301 or AAAS 302 or AAAS 303 or AAAS 304 or AAAS 305 or AAAS 306)} or (AAAS 307 or AAAS 308 or AAAS 390)  
Theories, pedagogies, and practices of protest in the development of critical consciousness and social change.  
Effective Fall 2021
- AAAS 821      Collaboration, Research and Methodologies  
On Demand. 3(3-0) R: Open to graduate students in the Department of African American and African Studies.  
Theoretical, philosophical, and methodological (historical, theoretical, quantitative, statistical, sociological, etc.) pathways of creating and analyzing knowledge and information.  
Effective Fall 2021
- AAAS 829      Introduction to African Studies  
Fall of every year. Spring of every year. 3(3-0)  
REINSTATEMENT      Role that Africa plays in shaping Black Studies. From the original Pan Africanist writings of 19th century scholars, WEB DuBois and Edward Blyden to the more contemporary tripartite ideological perspectives on the study of Africa placing Africans and African scholars at the construction and center of critical analysis.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
SA: AL 829  
Effective Fall 2021
- AAAS 830      Introduction to African American Studies  
Fall of every year. 3(3-0)  
REINSTATEMENT      Builds on Manning Marable's disciplinary mission for Black Studies with the foundational principles, themes and elements of the Black Studies field of study anchored by the African American experience. Prepares students to conduct advanced research study and specialized knowledge production required for dissertation study of African Americans.  
SA: AL 830  
Effective Fall 2021
- AAAS 831      Introduction to African Diaspora Studies  
Fall of every year. Spring of every year. 3(3-0) P: AAAS 829 and AAAS 830  
REINSTATEMENT      African Diaspora on a global scale; regarding broad issues of disciplinary scaffolding and definition, foundational debates, and a selection of key themes driving recent scholarship in this field. Topics include case studies of the Yoruba Diaspora and the Mande Atlantic, creolization and fluidity, Africa's role in the making of the Americas, Africa in the Colombian exchange, spiritual communities, transatlantic slavery and liberation  
SA: AL 831  
Effective Fall 2021
- AAAS 832      Multicultural Pedagogy in African American and African Studies  
Fall of every year. Spring of every year. 3(3-0) P: (AAAS 829 or concurrently) and (AAAS 830 or concurrently) and (AAAS 831 or concurrently)  
REINSTATEMENT      A methodological, theoretical and experiential framework for its participants to obtain a better understanding of the appropriate supervision and mentoring of the multi-cultural and diverse undergraduate learner.  
SA: AL 832  
Effective Fall 2021

- AAAS 833      Black Worlds: Historical and Contemporary Issues  
Fall of every year. 3(3-0) R: Open to graduate students in the Department of African American and African Studies.  
Historical and contemporary issues in Black lives, communities, and cultures.  
Effective Fall 2021
- AAAS 834      Black Worlds: Theories and Methodologies  
Fall of every year. 3(3-0) R: Open to graduate students in the Department of African American and African Studies.  
Advanced study in the range of topics, challenges, and contributions of Black Girlhood Studies.  
Effective Fall 2021
- AAAS 840      Black Girlhood Studies  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of African American and African Studies.  
Advanced issues in and dynamic solutions offered by Black Girlhood Studies.  
Effective Fall 2021
- AAAS 841      Seminar in Black Feminist Studies  
On Demand. 3(3-0) R: Open to graduate students in the Department of African American and African Studies or approval of department.  
Current topics, issues, and approaches in Black Feminist Studies.  
Effective Fall 2021
- AAAS 850      Black Cultures and Institutions  
Spring of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of African American and African Studies or approval of department.  
Advanced exploration and study of Black culture, cultural and institutional formations along with their distinctive technologies for living.  
Effective Fall 2021
- AAAS 860      Black Speculative Ecologies  
Fall of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students in the Department of African American and African Studies or approval of department.  
Advanced exploration and study of speculative enterprises for storying the past, reconstructing the present, and shaping the future.  
Effective Fall 2021
- AAAS 861      Seminar in Black Sexualities Studies  
On Demand. 3(3-0) R: Open to graduate students in the Department of African American and African Studies.  
Current topics, issues, and approaches in Black Sexualities Studies.  
Effective Fall 2021
- AAAS 871      Seminar in Black Genders Studies  
On Demand. 3(3-0) R: Open to graduate students in the Department of African American and African Studies.  
Current topics, issues, and approaches in Black Genders Studies.  
Effective Fall 2021
- AAAS 892      Master's Thesis Planning  
Fall of every year. 2(2-0) P: AAAS 833 R: Open to graduate students in the Department of African American and African Studies.  
Supervised development of individual research projects or creative work proposals for the Plan A pathway.  
Effective Fall 2021

- AAAS 894      Master's Project Planning  
Spring of every year. 2(2-0) A student may earn a maximum of 4 credits in all enrollments for this course. P: AAAS 833 and AAAS 834 R: Open to graduate students in the Department of African American and African Studies.  
Supervised development of group, collaborative projects including their proposed form and final products.  
Effective Fall 2021
- AAAS 895      Professional Development  
Fall of every year. 2(2-0) R: Open to graduate students in the Department of African American and African Studies.  
Preparation for professional careers in and outside of the academy.  
Effective Fall 2021
- AAAS 897      Colloquium  
Spring of every year. 1(1-0) R: Open to graduate students in the Department of African American and African Studies.  
Engagement with African American and African Studies department vision, values, and mission as related to the larger trans- and multi-disciplinary field of Black Studies.  
Effective Fall 2021

#### **DEPARTMENT OF ART, ART HISTORY, AND DESIGN**

- STA 476S      Senior Project in The Photobook  
Fall of every year. 3(0-6) R: Open to seniors in the Bachelor of Fine Arts in Studio Art. Approval of department. C: STA 476 concurrently.  
Intensive studio work in photography in book form.  
Effective Fall 2021
- STA 480S      Senior Project in Advanced Electronic Arts and Intermedia  
Fall of every year. Spring of every year. 3(0-6) R: Open to seniors in the Bachelor of Fine Arts in Studio Art. Approval of department. C: STA 480 concurrently.
- REINSTATEMENT      Intensive studio work in electronic arts and intermedia.  
Effective Fall 2021

#### **COLLEGE OF COMMUNICATION ARTS AND SCIENCES**

- CAS 209      Introduction to Video Production  
Fall of every year. Spring of every year. Summer of every year. 2(2-0) R: Open to students.  
Professional video techniques, technologies, standards, aesthetics, and procedures.  
SA: CAS 201, CAS 202  
Effective Summer 2021

#### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

- CSE 814      Formal Methods in Software Development  
Fall of odd years. 3(3-0) RB: MTH 472 R: Open only to majors in the Department of Computer Science and Engineering or approval of department.
- REINSTATEMENT      Formal specification languages, integrating verification with development. Design and the implementation of term project.  
SA: CPS 814  
Effective Fall 2021

**DEPARTMENT OF ECONOMICS**

EC 422           Advanced Data Analysis in Economics  
Spring of every year. 3(3-0) P: EC 420  
                  Analysis and interpretation of large-scale economic data using statistical programming  
                  tools and econometric methods.  
                  Effective Spring 2022

**DEPARTMENT OF ENGLISH**

FLM 438           Film Financing, Programming, and Distribution  
Spring of every year. 3(3-2) P: FLM 230  
REINSTATEMENT    History and methods of film financing, programming, and distribution, from the early  
                          twentieth century through the present day.  
                          Effective Fall 2021

**DEPARTMENT OF FINANCE**

FI 422            Financial Data Analytics  
Spring of every year. 3(3-0) P: (CSE 102 or CSE 231) and FI 311  
                      Analysis of real-world financial data in a variety of settings. Apply textual analysis to large  
                      documents, identifying “sentiment” in search data, and back-testing trading strategies.  
                      Develop programming skills to collect and prepare data for analysis.  
                      Effective Fall 2021

FI 424            Deep Learning and Neural Networks in Finance  
Fall of every year. 3(3-0) P: (CSE 102 or CSE 231) and FI 311  
                      Basic concepts of deep learning and neural networks in finance and economics.  
                      Implement deep learning methods with state-of-the-art algorithms in a variety of machine  
                      learning packages.  
                      Effective Fall 2021

**DEPARTMENT OF LINGUISTICS AND GERMANIC, SLAVIC, ASIAN AND AFRICAN LANGUAGES**

LIN 827           Phonetics I  
Spring of every year. 3(3-0) P: LIN 824 or approval of department Not open to students with credit  
in LIN 427.  
                      Basic concepts, principles and methods of modern phonetics, including modelling of the  
                      vocal tract. Hands-on laboratory research. Overview of key topics in speech production  
                      and perception.  
                      Effective Fall 2021

LIN 828           Phonetics II  
Fall of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this  
course. P: LIN 827 or approval of department  
                      Advanced study of speech perception and speech production theory. Cutting-edge tools,  
                      methods and research in phonetics.  
                      Effective Fall 2021

LIN 838           Semantics and Pragmatics II  
Fall of every year. 3(3-0) P: LIN 837 or approval of department  
                      Empirical phenomena in semantics and pragmatics. Advanced systems of semantic  
                      interpretation.  
                      Effective Fall 2021

### **DEPARTMENT OF MARKETING**

MKT 211 Business and Culture Seminar  
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to undergraduate students in the Accounting major or in the Business - Admitted major or in the Business-Preference major or in the Finance Major or in the Hospitality Business Major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major or approval of college.  
International speaker series providing an overview of the business and cultural environment in a particular world region.  
Effective Fall 2021

### **COLLEGE OF MUSIC**

MUS 859 Race Issues in Music Teaching  
Spring of odd years. 3(3-0) RB: Interest in music education. R: Open to graduate students in the College of Music.  
Intersection of race and music education both historically and presently, working toward an anti-racist pedagogy across all teaching environments. Critical race theory, postcolonialism, and anti-racism to address challenges that historically and/or multiply minoritized communities face in schools and put forward ways to ethically teach student populations with complex intersecting identities. Teacher agency, resistance, and challenging systemic oppression.  
Effective Spring 2023

### **PROGRAM IN NEUROSCIENCE**

NEU 402 Behavioral and Cognitive Neuroscience  
Fall of every year. Spring of every year. 3(3-0) P: NEU 301 and NEU 302 R: Open to undergraduate students in the Neuroscience Major or in the Lyman Briggs Neuroscience Coordinate Major.  
In-depth examination of neuronal mechanisms that regulate behavior, learning, cognition, and human disease  
Effective Fall 2021

NEU 403 Communication in Neuroscience (W)  
Fall of every year. Spring of every year. 3(3-0) P: (NEU 301 and NEU 302) and completion of Tier I writing requirement R: Open to undergraduate students in the Neuroscience Major or in the Lyman Briggs Neuroscience Coordinate Major.  
In-depth exploration of contemporary areas of neuroscience, emphasizing scientific literacy and effective written and oral communication.  
Effective Fall 2021

NEU 840 Social, Cognitive, and Affective Neuroscience  
Fall of every year. 3(3-0) Not open to students with credit in NEU 839 or NEU 841.

REINSTATEMENT Introduction to nervous system structure and function aimed at students and professionals with limited biological science background.  
Effective Fall 2021

### **DEPARTMENT OF PLANT, SOIL AND MICROBIAL SCIENCES**

CSS 420 Cover Crops in Agroecosystems  
Fall of every year. 3(2-2) Interdepartmental with Horticulture. P: (CSS 101 or HRT 251 or HRT 341) and CSS 210 and Completion of Tier I Writing Requirement  
Management, environmental, economic, and social considerations of cover crops across agroecosystems.  
Effective Spring 2021

- CSS 829      Computational and Applied Plant Breeding  
Spring of odd years. 3(3-0) Interdepartmental with Horticulture. P: HRT 819 and STT 814  
Theoretical and applied methods of genetics and statistics in plant breeding; selection theory and methods; heritability; genotype-environment interaction; methods to enhance genetic progress and efficiency through statistical genetics, genomics, and marker assisted selection.  
Effective Spring 2021
- CSS 845      Environmental Soil Physics  
Spring of even years. 3(3-0) R: Open to graduate students in the College of Agriculture and Natural Resources and open to graduate students in the College of Engineering and open to graduate students in the College of Natural Science.  
Fundamentals of soil physics, soil physical properties, and flows of heat, water, solutes and gases in soils. Integration of soil physics to soil hydrology, ecology, biology and biogeochemistry.  
Effective Spring 2021

### **DEPARTMENT OF THEATRE**

- THR 809A      Techniques in Applied Performance  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre.  
Standards and best practices of performing in varying acting styles. Practical application and concentrated study of important and/or new techniques in acting.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 4 semesters after the end of the semester of enrollment.  
Effective Fall 2021
- THR 809B      Techniques in Applied Pedagogy  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre.  
Standards and best practices of performing in varying theatrical pedagogy. Practical application and concentrated study of important and/or new techniques in pedagogy.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 4 semesters after the end of the semester of enrollment.  
Effective Fall 2021
- THR 809C      Techniques in Applied Studies  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre.  
Standards and best practices of researching in varying theatre studies topics. Research, presentation and concentrated study of important and/or new techniques in theatrical studies.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 4 semesters after the end of the semester of enrollment.  
Effective Fall 2021
- THR 819A      Applied Design Studio: Scenery  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre.  
Standards and best practices of communicating varying design styles in scenery. Practical application and concentrated study of important and/or new topics in theatrical design and technology.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 4 semesters after the end of the semester of enrollment.  
Effective Fall 2021

- THR 819B Applied Design Studio: Costume  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre.  
Standards and best practices of communicating varying design styles in costume. Practical application and concentrated study of important and/or new topics in theatrical design and technology.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 4 semesters after the end of the semester of enrollment.  
Effective Fall 2021
- THR 819C Applied Design Studio: Lighting  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre.  
Standards and best practices of communicating varying design styles in lighting. Practical application and concentrated study of important and/or new topics in theatrical design and technology.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 4 semesters after the end of the semester of enrollment.  
Effective Fall 2021
- THR 819D Applied Design Studio: Sound  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre.  
Standards and best practices of communicating varying design styles in sound. Practical application and concentrated study of important and/or new topics in theatrical design and technology.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 4 semesters after the end of the semester of enrollment.  
Effective Fall 2021
- THR 819E Applied Design Studio: Media  
Fall of every year. Spring of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate students in the Department of Theatre.  
Standards and best practices of communicating varying design styles in media. Practical application and concentrated study of important and/or new topics in theatrical design and technology.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 4 semesters after the end of the semester of enrollment.  
Effective Fall 2021
- THR 841 Advanced Directing Practices  
Spring of even years. 3(2-2) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in the Department of Theatre.
- REINSTATEMENT Directing theory and practice in contemporary theatre, including research and experimentation.  
Effective Fall 2021

## **PART III – COURSE CHANGES**

### **DEPARTMENT OF ACCOUNTING AND INFORMATION SYSTEMS**

- ACC 827 Accounting Analytics  
Fall of every year. Spring of every year. 3(3-0) Interdepartmental with Information Technology Management. P: ACC 321 or ACC 824 P: (ACC 321 or ACC 821) and ACC 411 R: Open to master's students in the Accounting Major.  
Develop an accounting analytics mindset. Determine and apply appropriate data analytic techniques based upon the accounting environment and situation. Use data visualization, predictive analytics and other analytics software as appropriate.  
~~Effective Fall 2017~~ Effective Spring 2021

### **DEPARTMENT OF ADVERTISING AND PUBLIC RELATIONS**

- ADV 224 Introduction to Creative Media  
Fall of every year. Spring of every year. 3(2-2) P: ADV 205 and (ADV 210 or concurrently) R: Open to students in the Advertising Creative major.  
Communication design principles used by art directors for research, exploration, and execution. Visual communication solutions using design principles with the appropriate digital technology. Design software includes Adobe CC Illustrator, Photoshop and Indesign.  
SA: ADV 321  
~~Effective Summer 2017~~ Effective Fall 2021
- ADV 225 Writing for Public Relations  
Basic Skills for Advertising Careers  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) ~~R: Open to undergraduate students in the James Madison College or in the College of Communication Arts and Sciences or approval of department.~~  
~~Theory and practice of preparing written business communications.~~ Theory and practice of preparing written business communications for advertising and utilizing typical software applications.  
~~Effective Fall 2014~~ Effective Fall 2021
- ADV 420 New Media Driver's License  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) R: Open to sophomores or juniors or seniors.  
Digital communication for advertising and public relations. Using new media, including social media, to effectively market a business or individual to a target audience.  
DELETE COURSE  
Effective Fall 2021
- ADV 486 Integrated Campaigns (W)  
Fall of every year. Spring of every year. Summer of every year. 3(2-2) P: ~~{(CAS 110 and ADV 342) and (ADV 330 or ADV 350) and ((ADV 442 or concurrently) or (ADV 450 or concurrently))} or (ADV 325 and completion of Tier I writing requirement)~~ P: {(CAS 110 and ADV 342) and (ADV 330 or ADV 350) and ((ADV 442 or concurrently) or (ADV 450 or concurrently))} or (PR 325 and completion of Tier I writing requirement) R: Open to undergraduate students in the Department of Advertising and Public Relations or in the Public Relations Minor.  
Development of integrated marketing and advertising campaigns for clients. Creative, media and marketing communication elements.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
~~Effective Summer 2017~~ Effective Fall 2021

ADV 260  
PR 260

Principles of Public Relations  
Fall of every year. Spring of every year. Summer of every year. 3(3-0)  
Role and function of public relations in society. History of the field. Roles of practitioners and understanding the unique professional areas within the field of public relations.  
~~SA: ADV 227~~ SA: ADV 227, ADV 260  
~~Effective Fall 2014~~ Effective Fall 2021

**DEPARTMENT OF AFRICAN AMERICAN AND AFRICAN STUDIES**

AAAS 100

~~Race and Community in Local to Global Perspective~~  
Pathways into AAAS  
Fall of every year. Spring of every year. 3(3-0) P: ((WRA 101 or concurrently) or (WRA 195H or concurrently)) or completion of Tier I writing requirement  
~~Multifaceted topics and dialogue on race. Race as an intractable and enduring feature of politics and society. Racial formations. Individual identities, collective action, and social structures. Ways that racial categories remain an organizing principle. Core focus on African American, African diaspora, and continental African sites of analysis. Current trends and topics in African American and African Studies; including contemporary and interdisciplinary perspectives in Black Studies.~~  
~~Effective Fall 2014~~ Effective Fall 2021

AAAS 300

~~Survey in Africana Studies~~  
Communities in Action  
~~Fall of every year. Fall of odd years. Spring of odd years. Summer of every year.~~ 3(3-0) P: AAAS 100 or AAAS 200 or AAAS 201 or AAAS 202 R: Approval of department.  
~~Core conceptual elements of Africana Studies discipline and peoples (African Americans, Africans and African Diasporae), including topics in race, identity, the Black condition, representational discourses, discrimination, oppression, resistance and alternative agency. Field trip required. Thematic examination of Black peoples' collective action in making place, community, and space as resistance.~~  
~~Effective Spring 2014~~ Effective Fall 2021

AAAS 390

~~Special Topics in Black/Africana Studies~~  
Special Topics in Black Studies  
~~Spring of every year. On Demand.~~ 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to students in the African American and African Studies Specialization.  
~~Special topics in African American, African, and African Diaspora studies. Topics are selected from sub-genres of Black/Africana Studies. Special topics selected from sub-genres.~~  
~~Effective Fall 2014~~ Effective Fall 2021

AAAS 490

Independent Study in African American and African Studies  
~~Fall of every year. Spring of every year. Summer of every year. On Demand.~~ 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: Completion of Tier I Writing Requirement R: Open to undergraduate students in the African American History and Culture Specialization or in the African American and African Studies Minor. R: Approval of department.  
~~Independent study in select and specialized topics in African American, African Diaspora and African Studies: special projects, directed reading and research. Independent study in select and specialized topics in Black Studies. Special projects. Directed reading and research.~~  
~~Effective Fall 2014~~ Effective Fall 2021

- AAAS 495 ~~Advanced Research in African American and African Studies~~  
~~Writing For Our Lives (W)~~  
~~Spring of every year. Africa, Africa, Africa Summer of odd years. Africa, Africa, Africa 3(3-0) P: Completion of Tier I Writing Requirement P: {(AAAS 100) and completion of Tier I writing requirement) and (AAAS 200 or AAAS 201 or AAAS 202 or AAAS 300 or AAAS 301 or AAAS 302 or AAAS 303 or AAAS 304 or AAAS 305 or AAAS 306)} or (AAAS 307 or AAAS 308 or AAAS 390) RB: ISS 215 R: Open to undergraduate students in the African American History and Culture Specialization or in the African American and African Studies Minor.~~  
~~Advanced undergraduate research course in African American, African and African Diaspora Studies. Review of interdisciplinary topics that inform these Africana regions, including slavery, race, colonialism, civil and human rights, identity and discourse and political philosophies, including Black Nationalism African Centered paradigms, and Black Feminism. Participation in the University Undergraduate Research and Arts Forum. Field trip required. Intensive writing workshop with focus on development of student voice through the power of the written and spoken word.~~  
~~SA: AL 495~~  
~~Effective Fall 2015~~ Effective Fall 2021
- AAAS 890 Independent Study in African American and African Studies  
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 12 credits in all enrollments for this course. ~~P: AAAS 820 and AAAS 830 P: AAAS 833 and AAAS 834 R: Open to graduate students.~~ R: Open to graduate students in the Department of African American and African Studies.  
Faculty-supervised independent graduate study in African American and African Studies.  
~~Effective Summer 2014~~ Effective Fall 2021
- AAAS 891 Special Topics in African American and African Studies  
~~Fall of every year. Spring of every year. Summer of every year. On Demand, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to graduate students. R: Open to graduate students in the Department of African American and African Studies.~~  
Special topics in African American, African and African Diaspora Studies. Special topics in Black Studies, including, but not limited to: African American, Afro Caribbean, and/or relevant African Studies.  
~~Effective Summer 2015~~ Effective Fall 2021
- AAAS 893A ~~Domestic Internship in African American and African Studies~~  
~~Pedagogical Project~~  
~~Fall of every year. Spring of every year. Summer of every year. On Demand, 4 to 2 credits. 1 to 3 credits. P: AAAS 820 and AAAS 830 and AAAS 831 and AAAS 832 P: AAAS 897 R: Open to graduate students. R: Open to graduate students in the Department of African American and African Studies.~~  
~~Internship with community based organizations, non governmental organizations or educational and governmental institutions whose core entrepreneurial activity and mission is to work with African American, African or African descendant communities and policy issues. Facilitates the "communal component" of the discipline. Training and development in the field of African American and African Studies oriented toward public facing collective research and cultural work.~~  
~~Request the use of the Pass-No Grade (P-N) system.~~  
~~Request the use of ET-Extension to postpone grading.~~  
~~The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.~~  
~~SA: AL 893A~~  
~~Effective Fall 2012~~ Effective Fall 2021

- AAAS 893C ~~International Internship in African American and African Studies~~  
~~Community Engagement Project~~  
~~Fall of every year. Spring of every year. Summer of every year. On Demand. 1 to 2 credits. 1 to 3~~  
~~credits. P: AAAS 820 and AAAS 830 and AAAS 831 P: AAAS 897 R: Open to graduate students.~~  
~~R: Open to graduate students in the Department of African American and African Studies.~~  
~~Internship with international community based organizations, non governmental~~  
~~organizations or educational and governmental institutions whose core entrepreneurial~~  
~~activity and mission is to work with African or African descendant communities and policy~~  
~~issues. Field trips required. Internship or service project aimed at development in~~  
~~intellectual leadership and public engagement related to community responsibility and~~  
~~African American and African Studies praxis.~~  
~~Request the use of the Pass-No Grade (P-N) system.~~  
~~Request the use of ET Extension to postpone grading.~~  
~~The work for the course must be completed and the final grade reported within 2~~  
~~semesters after the end of the semester of enrollment.~~  
~~SA: AL 893C~~  
~~Effective Fall 2012~~ Effective Fall 2021
- AAAS 898 ~~Master's Research~~  
~~Master's Capstone Project~~  
~~Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. 1 to 4 credits. A~~  
~~student may earn a maximum of 3 credits in all enrollments for this course. P: AAAS 820 and AAAS~~  
~~830 and AAAS 831 and AAAS 832 or approval of department P: AAAS 894 R: Open to graduate~~  
~~students in the African American and African Studies major. Approval of department. R: Open to~~  
~~graduate students in the Department of African American and African Studies. Approval of~~  
~~department.~~  
~~Directed research in support of Plan B master's program requirements. Directed~~  
~~engagement in a capstone project for the Plan B program requirements.~~  
~~Effective Fall 2012~~ Effective Fall 2021
- AAAS 899 ~~Master's Thesis Research~~  
~~Fall of every year. Spring of every year. Summer of every year. 2 to 4 credits. 4(4-0) A student may~~  
~~earn a maximum of 4 credits in all enrollments for this course. P: AAAS 820 and AAAS 830 and~~  
~~AAAS 831 or approval of department P: AAAS 892 R: Open to graduate students in the African~~  
~~American and African Studies major. R: Open to graduate students in the Department of African~~  
~~American and African Studies.~~  
~~Master's thesis research. Master's thesis research for the Plan A program requirements.~~  
~~Request the use of the Pass-No Grade (P-N) system.~~  
~~Effective Summer 2013~~ Effective Fall 2021
- AAAS 999 ~~Doctoral Dissertation Research~~  
~~Fall of every year. Spring of every year. Summer of every year. 1 to 6 credits. A student may earn a~~  
~~maximum of 36 credits in all enrollments for this course. P: AAAS 820 and AAAS 830 and AAAS~~  
~~831 and AAAS 832 P: AAAS 833 and AAAS 834 R: Open to graduate students in the African~~  
~~American and African Studies Major. R: Open to graduate students in the Department of African~~  
~~American and African Studies.~~  
~~Doctoral dissertation research.~~  
~~Request the use of the Pass-No Grade (P-N) system.~~  
~~Effective Fall 2014~~ Effective Fall 2021

### DEPARTMENT OF ART, ART HISTORY, AND DESIGN

- STA 350 ~~Figure Modeling~~  
~~Exploration of the Human Figure~~  
~~Fall of every year. Spring of every year. 3(0-6) P: STA 110 and STA 112 and STA 113 and STA~~  
~~114~~  
~~Modeling human and natural forms. The figure as a means of artistic and cultural~~  
~~expression. Aspects of the human figure studied in relation to artistic media~~  
~~Effective Spring 2019~~ Effective Fall 2021

STA 351 ~~Mixed Media and Installation~~  
Installation and Expanded Media  
Fall of every year. Spring of every year. 3(0-6) P: STA 110 and STA 112 and STA 113 and STA 114  
~~Exploration of artistic expression using mixed media and assemblage techniques. Installation techniques. Interdisciplinary approach to studio practice. Exploration of artistic and cultural expression using installation and expanded media.~~  
Effective Spring 2019 Effective Fall 2021

### COLLEGE OF ARTS AND LETTERS

GSAH 201 ~~Introduction to Global Studies in the Arts and Humanities~~  
Issues in Global Studies  
Fall of every year. Spring of every year. 3(3-0)  
~~Surveys the ways the arts and humanities interpret and represent global issues, themes and interactions. Introduces key interdisciplinary terms and concepts for understanding global themes and contexts. Major issues in global studies. Approaches, terms and concepts in global studies.~~  
Effective Spring 2019 Effective Fall 2021

GSAH 301 ~~Approaches to Global Studies in the Arts and Humanities~~  
Global Citizenship  
Fall of every year. Spring of every year. 3(3-0) ~~P: GSAH 204~~ P: Completion of Tier I Writing Requirement  
~~Explores broad theoretical debates in global studies. Offers a grounding in interdisciplinary frameworks of the humanities and the arts to understand and analyze global themes, contexts, and connections. Examines global citizenship with emphasis on theories and practices for an emergent "ethos of care for the world" in the 21st century. Focus on citizenship, globality, migration, digital subjectivities, international human rights, environmental justice, global public health.~~  
Effective Spring 2019 Effective Fall 2021

GSAH 310 Questions of Justice in Global Contexts  
Spring of every year. 3(3-0) ~~P: (GSAH 201 or approval of department) and completion of Tier I writing requirement~~ P: Completion of Tier I Writing Requirement  
~~Addresses issues of global justice and ethics in regional, national and transnational contexts through the study of how the arts and humanities have engaged with questions of forms of justice and human rights. Issues of justice, ethics and law in global contexts within a humanities framework; explore distributive justice, environmental justice, transitional justice, restorative justice, and human rights.~~  
Effective Spring 2019 Effective Fall 2021

GSAH 311 Global Perspectives on Borders and Migration  
Spring of every year. 3(3-0) ~~P: (GSAH 201 or approval of department) and completion of Tier I writing requirement~~ P: Completion of Tier I Writing Requirement  
~~Causes and motives, identities and relationships, transformations and traditions of people moving across geographic boundaries at local, regional, and national levels. Effect on local and global conditions, grounded in critical, creative, philosophical, and historical explorations. Creative and historical accounts of migration and border-crossings, and the impact on identities, relationships, and cultures.~~  
Effective Spring 2019 Effective Fall 2021

GSAH 312 Global Digital Cultures  
Spring of every year. 3(3-0) ~~P: (GSAH 201 or approval of department) and completion of Tier I writing requirement~~ P: Completion of Tier I Writing Requirement  
Studies the transformative effects of digital media and communication on cultural exchange and creativity in global contexts. Introduces students to ethical and social questions concerning the use and circulation of digital media and communications in various regional, national, and transnational contexts.  
Effective Spring 2019 Effective Fall 2021

- GSAH 313 Violence and Power in Global Contexts  
Spring of every year. 3(3-0) ~~P: GSAH 204~~ P: Completion of Tier I Writing Requirement  
~~Explores issues and questions of violence in various regional, national, and transnational contexts through manifestations of human conflict as addressed in the arts and humanities. Broadens students' understanding of relationships between violence, power, and resistance throughout history and in the present. Questions of violence and power in transnational contexts. Emphasis on representations of war, oppression, and resistance through the study of literature, film, visual art, religious texts, and philosophical writings.~~  
Effective Spring 2019 Effective Fall 2021
- GSAH 314 Race, Gender, and Global Identities  
Spring of every year. 3(3-0) ~~P: GSAH 204~~ P: Completion of Tier I Writing Requirement  
~~Addresses issues of diversity through an exploration of the complexity of identity and difference using global studies frameworks. Evaluates diversity in terms of race, gender, nationality, and inequality. Contributes to interdisciplinary understandings of intersecting identities and cultures in contemporary global settings using the arts and humanities. Questions of race and gender in global contexts, especially as they have been addressed in the humanities. Develops students' understanding of intersectionality.~~  
Effective Spring 2019 Effective Fall 2021
- GSAH 315 Global Perspectives on Arts and Performance  
Globalization and the Arts  
Spring of every year. 3(3-0) ~~P: GSAH 204~~ P: Completion of Tier I Writing Requirement  
Engages the visual and performing arts. Showcases the creative arts and performance as critical components of global studies. Emphasizes the various traditional and contemporary modes of global artistic activity in various regional, national, and transnational contexts. Promotes knowledge of diverse practices as they are manifested through the creative arts and their intersection with global studies.  
Effective Spring 2019 Effective Fall 2021
- GSAH 391 Special Topics in Global Studies in the Arts and Humanities  
Special Topics in Global Studies  
Fall of every year. Spring of every year. ~~Summer of every year.~~ 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. ~~P: (GSAH 220 and GSAH 230 or approval of department) or GSAH 204~~ P: Completion of Tier I Writing Requirement  
Special topics supplementing regular course offerings proposed by faculty on a group study basis.  
Effective Spring 2019 Effective Fall 2021
- GSAH 450 Senior Seminar in Global Studies in the Arts and Humanities (W)  
Global Interdisciplinary Studies (W)  
Spring of every year. 3(3-0) ~~P: ((GSAH 301 or approval of department) and completion of Tier I writing requirement) and (GSAH 310 or GSAH 311 or GSAH 312 or GSAH 313 or GSAH 314 or GSAH 315 or GSAH 391)~~ P: ((GSAH 201 or GSAH 301 or GSAH 310 or GSAH 311 or GSAH 312 or GSAH 313 or GSAH 314 or GSAH 315) and completion of Tier I writing requirement) or ((GSAH 313 or GSAH 314 or GSAH 315 or GSAH 391) and completion of Tier I writing requirement)  
~~Selected topics in global studies in the arts and humanities through guided interdisciplinary capstone research projects. Application of global studies concepts and humanities research methods. Guided interdisciplinary research project in global studies.~~  
Effective Spring 2019 Effective Fall 2021

MUSM 886 Fundamentals of Museum Studies  
Fall of every year. 3(3-0) Interdepartmental with Anthropology and Community Sustainability and History. R: Open to lifelong graduate students in the College of Arts and Letters or in the Department of Anthropology or in the Department of History. Approval of department. Not open to students with credit in MUSM 485.  
Introduction to the history of museums and current practices, standards, issues and ethics related to education, administration, visitor studies and the development, care and use of museum collections.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
SA: AL 886  
DELETE COURSE  
Effective Summer 2021

### **DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY**

BMB 200 Introduction to Biochemistry  
Fall of every year. Summer of every year. 4(4-0) P: CEM 143 or CEM 251 or CEM 351 RB: CEM 252 or CEM 352  
Introductions to the major classes of biomolecules and the metabolism of these molecules.  
SA: BCH 200  
~~Effective Summer 2014~~ Effective Spring 2021

BMB 470 Advanced Molecular Biology Laboratory  
Fall of every year. ~~3(0-6)~~ 4(2-4) P: CEM 262 and BMB 461 RB: BMB 462 R: Open to students in the Biochemistry and Molecular Biology/Biotechnology Major or in the Biochemistry and Molecular Biology major or in the Lyman Briggs Biochemistry and Molecular Biology Coordinate Major or in the Lyman Briggs-Biochemistry/Biotechnology Coordinate Major or approval of department.  
Methods of molecular biology and the underlying principles on which these methods are based.  
SA: BCH 472, BMB 472  
~~Effective Summer 2020~~ Effective Fall 2021

BMB 471 Advanced Biochemistry Laboratory  
Spring of every year. ~~3(0-6)~~ 4(2-4) P: BMB 461 and CEM 262 and CMSE 201 R: Open to students in the Biochemistry and Molecular Biology/Biotechnology Major or in the Biochemistry and Molecular Biology major or in the Lyman Briggs Biochemistry and Molecular Biology Coordinate Major or in the Lyman Briggs-Biochemistry/Biotechnology Coordinate Major or approval of department.  
Biochemical methods and principles used in the study of enzymes (proteins), carbohydrates, lipids, and cell organelles.  
SA: BCH 471  
~~Effective Fall 2019~~ Effective Spring 2022

### **COLLEGE OF COMMUNICATION ARTS AND SCIENCES**

CAS 201 Audio and Video in Media Settings I  
Fall of every year. Spring of every year. Summer of every year. 1(1-0) R: Open to undergraduate students in the College of Communication Arts and Sciences. C: CAS 202 concurrently.  
Professional video/audio techniques, technologies, standards, aesthetics, and procedures.  
SA: TC 340  
DELETE COURSE  
Effective Spring 2021

CAS 202 Audio and Video in Media Settings II  
Fall of every year. Spring of every year. Summer of every year. 1(0-2) R: Open to undergraduate students in the College of Communication Arts and Sciences. C: CAS 201 concurrently.  
Advanced professional video/audio techniques, technologies, standards, aesthetics and procedures.  
DELETE COURSE  
Effective Spring 2021

### **DEPARTMENT OF COMMUNITY SUSTAINABILITY**

CSUS 821 Indigenous Peoples, Sustainability and Environmental Justice  
Fall of even years. 3(3-0) Interdepartmental with Philosophy. R: Open to graduate students.  
Indigenous peoples as major architects of environmental sustainability movements and environmental justice. Climate change adaptation, resilience, food sovereignty, and ecological restoration. Environmental movements, cooperative environmental and climate science, and coalitions for environmental advocacy. Case studies of Great Lakes and global Indigenous peoples in dialogue.  
DELETE COURSE  
Effective Spring 2021

CSUS 823 Contemporary Issues in Animal-Human Relationships  
Fall of even years. 3(3-0)  
Contemporary issues in animal-human relationships, including agriculture and food systems, local communities, and enclosed parks. Nature as a fluid network of relations including humans, nonhumans, and technologies.  
SA: ACR 823  
DELETE COURSE  
Effective Fall 2021

CSUS 891B Advanced Topics in Community, Food and Agriculture  
Fall of every year. Spring of every year. Summer of every year. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
Selected, advanced topics in community, food and agriculture.  
SA: ACR 891B  
DELETE COURSE  
Effective Spring 2021

### **DEPARTMENT OF ECONOMICS**

EC 306 Comparative Economic Systems  
Fall of every year. 3(3-0) P: (EC 201 or EC 251H) and (EC 202 or EC 252H)  
Characteristics and functions of economic systems. Alternative patterns of economic control, planning, and market structure. Theories, philosophies, and experiences associated with capitalism, socialism, and mixed economies.  
DELETE COURSE  
Effective Fall 2021

### **DEPARTMENT OF ENGLISH**

FLM 335 Film Directing  
Fall of every year. 3(3-1) ~~Interdepartmental with Media and Information.~~ Interdepartmental with Digital Storytelling and Media and Information P: ~~(FLM 230 or concurrently) and (CAS 112 or concurrently)~~ P: (FLM 230 or concurrently) and ((CAS 112 or concurrently) or (FLM 260 or concurrently)) R: Open to undergraduate students in the Fiction Filmmaking Minor.  
Concepts and techniques for directing in styles most associated with the art of film. Studies of innovative film directors. Skills of film directing, including script and shot breakdown. Directing actors and crew. Directing on location.  
SA: ENG 335  
~~Effective Spring 2017~~ Effective Fall 2021

FLM 435A Creating the Fiction Film I  
Fall of every year. 3(3-1) ~~Interdepartmental with Media and Information. Interdepartmental with Digital Storytelling and Media and Information~~ P: FLM 335 R: Open to undergraduate students in the Fiction Filmmaking Minor or approval of department.  
Creation of a short film, including scripting, conceptualization and planning, shooting, and rough editing.  
SA: ENG 435A  
~~Effective Spring 2017~~ Effective Fall 2021

FLM 435B Creating the Fiction Film II (W)  
Spring of every year. 3(3-1) ~~Interdepartmental with Media and Information. Interdepartmental with Digital Storytelling and Media and Information~~ P: (FLM 435A or approval of department) and Completion of Tier I Writing Requirement R: Open to undergraduate students in the Fiction Filmmaking Minor or approval of department.  
Finishing a short film, including fine editing, color correction, sound design, and foley work. Developing web promotion, marketing strategies, and distribution.  
SA: ENG 435B  
~~Effective Spring 2017~~ Effective Fall 2021

### DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

ECE 480 Senior Design  
Fall of every year. Spring of every year. 4(3-3) ~~P: (ECE 303 and ECE 313 and ECE 320 and ECE 331 and ECE 366 and (ECE 390 or concurrently)) or ((CSE 410 and (ECE 390 or concurrently)) and completion of Tier I writing requirement) P: (ECE 303 and ECE 313 and ECE 320 and ECE 331 and ECE 366 and (ECE 390 or concurrently)) or ((CSE 325 and (ECE 390 or concurrently)) and completion of Tier I writing requirement)~~ R: Open to seniors in the Department of Electrical and Computer Engineering or in the College of Engineering.  
Electrical engineering and computer engineering senior design experience involving contemporary design tools and practices, engineering standards, cross-functional teaming, oral and written technical communication, and lifelong learning.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.  
~~Effective Fall 2013~~ Effective Spring 2022

### DEPARTMENT OF FINANCE

FI 320 Introduction to Finance  
Fall of every year. Spring of every year. 3(3-0) ~~R: Not open to students in the Accounting major or in the Business - Admitted major or in the Business Preference major or in the Finance Major or in the Hospitality Business Major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major. R: Not open to students in the Accounting major or in the Business - Admitted major or in the Business-Preference major or in the Human Resource Management Major or in the Management Major or in the Marketing Major or in the Supply Chain Management Major or in the Finance Major. Not open to students with credit in FI 311. Not open to students with credit in FI 311 or HB 311.~~  
~~Overview of finance for the non-business major. Stocks, bonds, mutual funds, financial statement analysis, capital budgeting, financial planning. Introduction to stocks, bonds, mutual funds, financial statement analysis, capital budgeting, financial planning.~~  
~~Effective Spring 2017~~ Effective Fall 2021

### DEPARTMENT OF FOOD SCIENCE AND HUMAN NUTRITION

HNF 400 Art and Science of Food Preparation  
Spring of every year. 2(3-2) P: HNF 300 R: Open to seniors in the Dietetics major.  
Art and science of food preparation in relation to cost, health, dietary modification, and historical, regional, ethnic, and religious customs. Product evaluation using sensory techniques. Offered half of semester.  
DELETE COURSE  
Effective Spring 2021

HNF 826 Obesity and Chronic Disease  
Spring of every year. 1(2-0) P: HNF 820 RB: Undergraduate physiology, biochemistry, cell biology, epidemiology  
Adipose biology and the role of obesity in chronic disease including diabetes, heart disease and cancer.  
DELETE COURSE  
Effective Spring 2021

### GENETICS PROGRAM

GEN 840 Genetics Writing Skills  
Fall of every year. Spring of every year. Summer of every year. 1(1-0) A student may earn a maximum of 6 credits in all enrollments for this course. ~~R: Open to graduate students in the Genetics major. Approval of department.~~ R: Open to graduate students in the Genetics Program or in the Genetics Major. Approval of department.  
Development of a genetics research proposal: content, composition, and peer review through a graduate writing group.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
~~Effective Fall 2014~~ Effective Fall 2021

GEN 999 Doctoral Dissertation Research  
Fall of every year. Spring of every year. Summer of every year. 1 to 24 credits. A student may earn a maximum of 36 credits in all enrollments for this course. ~~R: Open to doctoral students in the Genetics major.~~ R: Open to doctoral students in the Genetics Program or in the Genetics Major.  
Doctoral dissertation research.  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Summer 2014~~ Effective Spring 2022

### SCHOOL OF HOSPITALITY BUSINESS

HB 346 ~~Onsite Foodservice Management~~  
~~Hospitality Managed Services~~  
~~Fall of every year. Spring of every year. 3(3-0) P: HB 267 and HB 265 R: Open to juniors or seniors in the School of Hospitality Business.~~ R: Open to juniors or seniors in the Hospitality Business Major.  
Onsite and noncommercial foodservice business and management. Current issues and future trends in foodservice. Contract firms and self-operated management companies.  
Contract development.  
Effective Fall 2021

HB 482 Advanced Hospitality Finance  
~~Fall of every year. Spring of every year. 3(3-0) P: ((HB 273 or concurrently) or (ITM 209 or concurrently)) and (HB 311 or FI 311 or FI 320) P: (HB 273 or ITM 209) and (HB 311 or FI 311 or FI 320) R: Open to juniors or seniors in the Hospitality Business Major or in the Hospitality Business Real Estate Investment Management Minor.~~ R: Open to juniors or seniors in the Hospitality Business Major or in the Hospitality Real Estate Minor.  
~~Cash flow determination and management. Strategies for financing hospitality ventures and expansion. Determining financial viability of proposed and existing operations. Financial analysis regarding the financial viability of hospitality companies. Choosing between investment alternatives, financing, and financial restructuring.~~  
~~Effective Summer 2020~~ Effective Spring 2022

### **COLLEGE OF HUMAN MEDICINE**

- HM 825 Transition to Graduate Academic Writing  
Fall of every year. Spring of every year. Summer of every year. 1(1-0) RB: completion of Tier 2 writing assignment or undergraduate degree ~~R: Approval of college.~~ R: Open to students in the Public Health Major and open to juniors or seniors or graduate students or approval of college.  
Identify and analyze scholarly articles and published research studies to develop effective writing skills within the genre of academic writing and scholarship.  
Request the use of the Pass-No Grade (P-N) system.  
~~Effective Summer 2020~~ Effective Spring 2021
- HM 862 Global Pandemics and Public Health Systems, Law, and Community Impacts  
Fall of every year. Spring of every year. 3(3-0) ~~P: HM 101 R: Open to students in the Public Health Major and open to juniors or seniors and open to graduate students. Approval of college.~~ R: Open to students in the Public Health Major and open to juniors or seniors or graduate students or approval of college.  
Public health systems and response to pandemics including public health law and ethics, disease transmission, testing and treatment, and social and community context.  
~~Effective Summer 2020~~ Effective Spring 2021

### **SCHOOL OF HUMAN RESOURCES AND LABOR RELATIONS**

- HRLR 494 Undergraduate Research in Human Capital and Society  
Fall of every year. Spring of every year. Summer of every year. 3 to 6 credits. A student may earn a maximum of 8 credits in all enrollments for this course. P: HRLR 201 and (HRLR 315 or concurrently) R: Open to undergraduate students in the College of Social Science or approval of school. Not open to students with credit in SSC 494.  
Faculty-guided undergraduate research in disciplines encompassed in human capital and society.  
~~Effective Summer 2020~~ Effective Spring 2021

### **DEPARTMENT OF LINGUISTICS AND GERMANIC, SLAVIC, ASIAN AND AFRICAN LANGUAGES**

- LIN 427 Laboratory Phonetics  
~~Fall of every year. Spring of every year.~~ 3(3-0) P: LIN 200 or LIN 401 ~~RB: LIN 424~~ Not open to students with credit in LIN 827.  
Basic concepts, principles and methods of modern phonetics. Understanding of what human speech is and how it works. Reflect on, analyze, and discuss their own speech and the speech of those around them.  
~~Effective Fall 2018~~ Effective Fall 2021
- LIN 437 ~~Semantics and Pragmatics~~  
Introduction to Semantics and Pragmatics  
Fall of every year. Spring of every year. 3(3-0) ~~P: LIN 200 or LIN 401 or approval of department~~ P: LIN 434 or approval of department ~~Not open to students with credit in LIN 837.~~  
Structure of meaning in natural languages. Methods of semantic analysis and argumentation. Technical tools for stating precise and falsifiable semantic hypotheses. Natural language semantics and pragmatics. How human languages encode meaning and put linguistic meanings to use. Basic mathematical tools used to formally analyze semantics and pragmatics data.  
~~Effective Fall 2016~~ Effective Fall 2021
- LIN 825 Phonological Theory II  
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: LIN 824 or approval of department ~~RB: LIN 824~~  
Issues in phonology. Current controversies and trends of research in phonology.  
~~Effective Spring 2021~~ Effective Fall 2021

- LIN 834      Syntactic Theory I  
~~Fall of every year.~~ Spring of every year. 3(3-0) ~~P: (LIN 434)~~  
Theories, current issues, and research of the structure of sentences and structural relations among phrases. Methods of syntactic analysis and argumentation.  
~~Effective Fall 2000~~ Effective Fall 2021
- LIN 835      Syntactic Theory II  
~~Fall of every year.~~ Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. ~~P: LIN 834~~ P: LIN 834 or approval of department  
Issues in syntax. Current research and controversies.  
~~Effective Fall 2000~~ Effective Fall 2021
- LIN 837      ~~Advanced Studies in Semantics and Pragmatics~~  
Semantics and Pragmatics I  
~~Fall of odd years.~~ Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P: LIN 834 or approval of department ~~RB: LIN 437~~ Not open to students with credit in LIN 437.  
~~Selected topics in semantics and/or pragmatics, such as noun phrase interpretation, tense and aspect, conversational implicature, and negation. Advanced level analytical techniques.~~ Natural language semantics and pragmatics. Basic mathematical tools used to formally analyze these (e.g., sets, relations, and functions). Overview of key research topics in semantics and pragmatics.  
~~Effective Fall 1997~~ Effective Fall 2021
- LIN 871      ~~Advanced Studies in Sociolinguistics~~  
Advanced Sociolinguistics  
Spring of every year. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (LIN 200 or LIN 401) or previous theoretical linguistics introductory course work. R: Open to graduate students in the Linguistics Major or approval of department.  
Linguistic and societal bases for language choice. Topics exemplifying modern sociolinguistics, including concerns of power, ethnicity, gender, quantitative microsociolinguistics, field techniques, and data analysis.  
~~Effective Fall 2014~~ Effective Fall 2021

### DEPARTMENT OF MEDIA AND INFORMATION

- MI 201      Introduction to Information Science  
Fall of every year. Spring of every year. Summer of every year. 3(3-0) ~~P: MI 104 R: Open to undergraduate students in the Department of Media and Information.~~  
Overview and critique of concepts of information, the history of computing and information, uses and effects of information technology, information management, and human-centered approaches to designing information systems.  
~~Effective Fall 2020~~ Effective Fall 2021

### COLLEGE OF NATURAL SCIENCE

- NSC 100      ~~Drew Froehman Seminar~~  
Drew Seminar I  
Fall of every year. 2(2-0) ~~P: (MTH 1825 or concurrently) or (MTH 116 or concurrently) or (MTH 132 or concurrently)~~ P: (MTH 103A or concurrently) or (MTH 116 or concurrently) or (MTH 132 or concurrently) or (MTH 103B or concurrently) or (MTH 103 or concurrently) R: Approval of college.  
Academic and non-academic skills and strategies for successful college transition.  
SA: NSC 201  
~~Effective Fall 2014~~ Effective Fall 2021
- NSC 200      ~~Drew Sophomore Seminar~~  
Drew Seminar II  
Fall of every year. Spring of every year. 2(2-0) P: NSC 100 or approval of college R: Approval of college.  
Career exploration and preparation through service-learning experience.  
SA: NSC 202  
~~Effective Fall 2014~~ Effective Spring 2021

### COLLEGE OF OSTEOPATHIC MEDICINE

- OST 592 Self-Directed Integration of Medical Knowledge  
~~Fall of every year. Spring of every year.~~ Summer of every year. 6(2-0) ~~A student may earn a maximum of 12 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.~~ R: Open to graduate-professional students in the College of Osteopathic Medicine. Approval of college.  
Self-directed review and integration of basic science and systems medical knowledge content and clinical correlations using coaching and workshops.  
Request the use of the Pass-No Grade (P-N) system.  
Request the use of ET-Extension to postpone grading.  
The work for the course must be completed and the final grade reported within 2 semesters after the end of the semester of enrollment.  
~~Effective Summer 2019~~ Effective Spring 2021

### DEPARTMENT OF PLANT BIOLOGY

- PLB 424 Algal Biology  
Fall of even years. Summer of odd years. 3(2-2) Interdepartmental with Integrative Biology. ~~P: (BS 162 or LB 144 or BS 182H) and ((BS 172 or BS 192H) and completion of Tier I writing requirement)~~  
P: (BS 162 or LB 144 or BS 182H) and ((BS 172 or BS 192H or LB 144) and completion of Tier I writing requirement) RB: IBIO 355 and IBIO 355L  
Algal taxonomy, systematics, physiology, ecology, and environmental assessment. Lab focus on identification of freshwater algal genera collected from regional habitats.  
SA: BOT 424  
~~Effective Summer 2018~~ Effective Spring 2021

### DEPARTMENT OF PLANT, SOIL AND MICROBIAL SCIENCES

- CSS 441 Plant Breeding and Biotechnology  
~~Spring of even years.~~ Spring of every year. 3(3-0) Interdepartmental with Forestry and Horticulture.  
P: (CSS 350 or concurrently) or (IBIO 341 or concurrently)  
Plant improvement by genetic manipulation. History of plant breeding. Traditional and biotechnological means of improving plant cultivars by genetic manipulation. Importance of plant breeding to our food system, economy, and environment.  
~~Effective Spring 2018~~ Effective Spring 2021
- CSS 840 Soil Physics  
Fall of odd years. 3(2-3) R: Open to graduate students in the College of Agriculture and Natural Resources or in the College of Engineering or in the College of Natural Science.  
Physical properties of soil including texture, structure, consistency, aeration, moisture content, and temperature. Quantitative measurement of plant growth. Agronomic and engineering practices.  
DELETE COURSE  
Effective Spring 2021
- PLP 847 Advanced Mycology  
~~Fall of even years. Spring of even years.~~ 4(2-4) ~~Interdepartmental with Plant Biology.~~  
Interdepartmental with Microbiology and Molecular Genetics and Plant Biology RB: PLB 402  
Systematics, identification, physiology, genetics, and molecular biology of plant pathogenic fungi.  
SA: BOT 847  
~~Effective Fall 2013~~ Effective Fall 2021
- PLP 884 Prokaryotic Diseases of Plants  
~~Fall of even years.~~ Spring of odd years. 3(3-0) Interdepartmental with Plant Biology. ~~RB: PLP 405~~  
RB: (PLP 405) and PLP 405  
Prokaryotic genera associated with plant diseases. Genetics and host-pathogen interactions. Prokaryotic disease control strategies.  
SA: BOT 884  
~~Effective Fall 2013~~ Effective Spring 2021

### DEPARTMENT OF PSYCHOLOGY

- PSY 413 Laboratory in Behavioral Neuroscience (W)  
Fall of every year. 4(2-4) Interdepartmental with Integrative Biology. ~~P: (PSY 200 or IBIO 402) and ((PSY 205 or STT 231) and completion of Tier I writing requirement)~~ P: (PSY 209) and ((PSY 295 or STT 231) and completion of Tier I writing requirement)  
Theory and laboratory experience in the study of behavioral neuroscience. Relationship among hormones, brain, and behavior.  
SA: PSY 309  
~~Effective Fall 2016~~ Effective Fall 2021

### DEPARTMENT OF SUPPLY CHAIN MANAGEMENT

- SCM 475 ~~Supply Chain Decision Modeling~~  
Data Analytics in Supply Chain Management  
Fall of every year. Spring of every year. ~~2(2-0)~~ 3(3-0) P: SCM 372 R: Open to juniors or seniors in the Supply Chain Management Major.  
~~Decision modeling in supply chains with emphasis on forecasting, aggregate planning, material requirement planning, inventory management, transportation, supply network design, quality management, and sourcing decisions. Use of traditional and advanced spreadsheet modeling tools. Application of descriptive, predictive, and prescriptive data analytics to supply chain problems. Quality management, forecasting, operations management, sourcing management, logistics/transportation management, supply network design using advanced spreadsheet modeling tools and programming for manipulating big data.~~  
Application of descriptive, predictive, and prescriptive data analytics to supply chain problems. Quality management, forecasting, operations management, sourcing management, logistics/transportation management, supply network design using advanced spreadsheet modeling tools and programming for manipulating big data.  
SA: MSC 475  
~~Effective Spring 2013~~ Effective Fall 2021
- SCM 834 ~~Supply Chain Simulation~~  
Supply Chain Process Modeling and Simulation  
Spring of every year. 1 to 3 credits. P: SCM 800 or MBA 831  
~~Simulation models to support decision making with specific supply chain focus. Simulation concepts, programming, design methods, and results interpretation. Code simulation models in software to support decision making. Simulation concepts, programming, design methods, and results interpretation. Offered second half of semester.~~  
Simulation models to support decision making with specific supply chain focus. Simulation concepts, programming, design methods, and results interpretation. Offered second half of semester.  
~~Effective Fall 2013~~ Effective Spring 2022