Senate committees are authorized to act for and in the name of the Senate on minor matters. Below is a listing of the administrative approvals the Senate Committee on Educational Policy approved at its meeting on January 24, 2022. Additional information for each approval is attached.

A. Graduate Programs

1) MS in Biomedical Image Computing – in the list of Approved Elective Courses, add a note that advisor approval is required for elective courses not specifically listed and add three courses to the list: BIOE 504, Analytical Methods in Bioeng (4 hours); ECE 513, Vector Space Signal Processing (4 hours); ECE 566, Computational Inference and Learning (4 hours).

B. Undergraduate Programs

1) BS in Advertising – in the list of required major courses, remove ADV 150, Introduction to Advertising (3 hours) and ADV 483, Audience Analysis (3 hours) and add a choice between either ADV 492, Tech and Advertising Campaigns (3 hours) or ADV 498, The Sandage Project (3 hours). Increase the number of electives in the major from 12 to 18 hours, offsetting this increase by reducing the minimum hours outside the College of Media from 72 to 66. Add a footnote to specify 40 upper-division hours minimum are required in the total hours for the program. There is no change to the total hours required for the degree.

2) Minor in Materials Science & Engineering – in the list of advanced courses from which students select 9 hours, remove MSE 454, Mechanics of Polymers (3 hours), as an option. This course has been deactivated effective Fall, 2021. There is not a change to the total hours required for the minor.

3) Minor in Informatics – to formalize via the Program of Study listing a long-standing agreement regarding restricting Information Systems majors from using BADM courses as upper-level electives, clarify with three distinct listings: 1) Course requirements for students who are NOT Computer Science, Computer Science + X, Electrical and Computer Engineering, or Information Systems majors or Computer science minors (19 total hours); 2) Course requirements for students who are Computer Science, Computer Science + X, or Electrical and Computer Engineering or Computer Science minors (18-19 total hours); and 3) Course requirements for students who are Information Systems majors (19 total hours). In list 1, replace “3 upper-level courses from an Informatics approved list of courses from a variety of disciplines, all with sufficient informatics or computational content (9-12 hours)” with “3 upper-level courses from an Informatics-approved list of courses (9 hours). List 3 is added, to spell out the requirements for Information Systems majors to be Info 102, Little Bits to Big Ideas (4 hours); INFO 202, Social Aspects of Info Tech (3 hours); Select one of CS 105, Intro Computing: Non-Tech (3 hours), CS 101, Intro Computing: Engrg & Sci (3 hours), CS 124, Introduction to Computer Science I (3 hours), STAT 107, Data Science Discovery (3 hours), ECE 120, Introduction to Computing (4 hours) and ECE 220, Computer Systems &
Programming (4 hours); 3 upper-level, non-BADM courses from an Informatics-approved list of courses (9 hours). There is no change to the total hours required for the minor.

4) **Minor in Study of the Islamic World** – remove REL 213, Intro to Islam – ACP (4 hours) from the list of courses from which students choose 1 course/3 hours. There is no change in total hours required for the minor.

5) **Minor in Sub-Saharan African Languages** – remove LING 420, Intro to African Languages (3 hours) from the list of 300- or 400-level African Linguistics courses from which students are to choose 3 hours. There is no change to the total hours required for the minor.

6) **Minor in Hindi Studies** – update the list of Indian Linguistics/sociolinguistics courses from which students are to select 6 hours to accurately reflect the new course number for Linguistics in Globalization (3 hours), which was renumbered from LING 111 to LING 222. There is no change in the total hours required for the minor.

7) **Minor in Arabic Studies** -- remove REL 213, Intro to Islam – ACP (4 hours) from the list of Interdisciplinary courses related to the Arab World from which students are to select 6 hours. There is no change in total hours required for the minor.

8) **Minor in Turkish Studies** – 1) add in parenthesis on the Language Requirement (6 hours) that students who test out of the advanced language requirement (405-406) must take six additional hours of advanced (300- or 400-level) coursework from the list of Turkey/Ottoman Empire electives; 2) in the list of Additional Courses related to Turkey/Ottoman Empire of which students are required to take 9 hours, remove REL 213, Intro to Islam – ACP (4 hours). There is no change to the total hours required for the minor.

9) **Minor in South Asian Studies** – 1) add in parenthesis on to the list of courses on South Asian history, language, literature, culture, and society that other area-relevant courses may be substituted with advisor approval, provide examples of such courses, and note that independent study courses require instructor approval and no more than 2 independent study courses can be used to meet the requirements; 2) in this same list from which students are required to take 12 hours, remove REL 213, Intro to Islam – ACP (4 hours). There is no change to the total hours required for the minor.

10) **Electives List for the Minor in Game Studies and Design** – in the list of electives from the College of Applied Health Sciences, add CHLH 441, Health Behavior and Technology (3 hours); KIN 346, Case Study: Endless Summer (3 hours); KIN 369, Coaching Strategies (3 hours); KIN 442, Body, Culture & Society (3 hours); KIN 474, Tech-Driven Health Intervention (3 hours). In the list of electives from the College of Fine & Applied Arts, remove Dance 400, Viewing Dance (1 hour). In the list of electives from The Grainger College of Engineering, clarify that the CS 498 Special Topics course is the “Game Development” section only. In the list of electives from the School of Information Sciences, add GSD 399, Advanced Individual Study (0-3 hours); GSD 405, Introduction to the Video Game Development Process (3 hours); GSD 409, Design & Programming of Narrative Games & Simulations (3 hours); INFO 416, Makerspace: Game Studies (3 hours); INFO 418, Makerspace: Escape Rooms (3 hours). Replace the listing of INFO 403, An Introduction to Top Down Video Game Design (3 hours) with its cross-list, GSD 403, Clarify that INFO 490 Special Topics is limited to the sections “Musical Informatics” and “Computer Music” (1 to 4 hours). Add in parenthesis clarification that IS 199, Undergraduate Open Seminar, is for section SHG only and this can be used for either a foundational required course OR an elective course but not both (1 to 5 hours). There is no change to the total hours required for the minor.

11) **BLA in Landscape Architecture** – 1) update the Humanities and the Arts and on Cultural Studies: Non-Western Cultures gen ed requirements listing to remove the parenthetical note “some courses in the Social/Cultural Factors in Design electives category will fulfill this”; 2) revise the listing for the Natural Sciences & Technology gen ed requirement to reflect the updated rubric for Earth’s Physical Systems,
which changed from GEOG to GGIS 103 (3 hours); 3) revise the total range for gen ed courses to accurately reflect the listing above (31-33 hours); remove LA 345, Professional Internship (5 hours) and replace it with LA 346, Professional Practice (2 hours); 4) revise the list of Supporting Electives, from which students previously selected 12 hours, to call it “Focused Electives” of which students now choose 18 hours, adding a note that these electives are required of all BLA students to graduate and must be approved by the BLA advisor during an advising appointment; 5) replace HORT 301, Woody Landscape Plants (4 hours), which has been deactivated, with LA 390, Independent Study I, Woody Landscape Plants (4 hours). There is no change to the total hours required for the degree.

12) BALAS in History of Art – 1) For the 18-hour requirement of six 200-400 level courses in Art History from the School of Art & Design, change what was a footnote to a parenthetical note (“Though students must take a total of 6 courses, some may count toward the fulfillment of more than one area and period requirement. For instance, a course in 20th century African art could count as a class covering both Africa and the Middle East and material after 1700.”); 2) Remove a footnote and add that footnote’s contents in parenthesis following the History of Art – List of Approved Supplemental Humanities Courses (“Please note: this is not a complete list of approved courses as individual student interests may guide supplemental courses in any number of directions. To ensure students take appropriate courses, all supplemental Humanities hours must be approved by the BALAS advisor.”); 3) from this list, remove HIST 472, Immigrant America (3 hours). There is no change to the total hours required for the degree.

13) Concentration in Power, Safety & Environment in the BS in Nuclear, Plasma, and Radiological Engineering – 1) add a note to clarify NPRE 432, Nuclear Engrg Materials Lab (2 hour), is the required course in the concentration; 2) clearly note that students are required to take 15 hours of Technical electives, adding language that these come from a departmentally-approved list and are categorized as the “NPRE Power Concentration Electives List” and the “Other Technical Electives” list, with at least 6 hours to be taken from the NPRE Power Concentration Electives List and the remaining hours from the Other Technical Electives list; 3) Add NPRE 413, Nuclear Separations and Fuel Reprocessing (2 or 3 hours) to the NPRE Power Concentration Electives List; 4) Clarify the Other Technical Electives list to note the courses are from NPRE or other departments in the subfields; and 5) Within the Other Technical Electives list, add a note that NPRE 199, Undergraduate Open Seminar (1 hour) may be repeated in separate terms to a maximum of 2 times. There is no change to the total hours required for the concentration or for the degree.

14) Concentration in Plasma & Fusion Science & Engineering in the BS in Nuclear, Plasma, and Radiological Engineering – 1) add a note to clarify there are 8 total hours of required courses for the concentration; 2) clearly note that students are required to take 9 hours of Technical Electives, removing the subtitle referring to these as “Common Engineering and Technical Electives” and adding clarifying language that these are from a departmentally-approved list of technical electives from NPRE or other departments in the subfields and that the student is to confer with their academic advisor on a chosen course set to ensure a strong program is achieved. There is no change to the total hours required for the concentration or for the degree.

15) Concentration in Radiological, Medical & Instrumentation Applications in the BS in Nuclear, Plasma, and Radiological Engineering – 1) add a note to clarify there are 5 total hours of required courses for the concentration; 2) clearly note that students are required to take 9 hours of Technical Electives, removing the subtitle referring to these as “Common Engineering and Technical Electives” and adding clarifying language that these are from a departmentally-approved list of technical electives from NPRE or other departments in the subfields and that the student is to confer with their academic advisor on a chosen course set to ensure a strong program is achieved; 3) remove ME 310, Fundamentals of Fluid Dynamics (4 hours); NPRE 421, Plasma and Fusion Science (3 hours); and BIOE 120, Introduction to
Bioengineering (1 hour) from the list of Technical Electives; 3) in this same list, add a parenthetical note that NPRE 199, Undergraduate Open Seminar (1 hour) may be repeated in separate terms to a maximum of 2 times. There is no change to the total hours required for the concentration or for the degree.

16) BS in Natural Resources and Environmental Sciences – in the list of Natural Sciences and Technology courses’ second select from list, revise the listing for Earth’s Physical Systems to reflect the updated rubric, so that it is GGIS 103 rather than GEOG 103 (4 hours). There is no change to the total hours required for the degree.

17) Concentration in Environmental Economics and Policy in the BS in Agricultural and Consumer Economics – in the list of courses from which students are to select one, update the listing for Introduction to Geographic Information Systems from GEOG 379 to GGIS 379 (4 hours) so it reflects the department’s current rubric. There is no change to the total hours required for the minor.

18) BS in Engineering Technology and Management for Agricultural Systems – when the name of the major changed from “Technical Systems Management” to “Engineering Technology and Management for Agricultural Systems,” the associated course rubric was also updated. As such, the following courses need to be updated as listed below:

- ETMA 311, Humanity in the Food Web (3 hours), replaces TSM 311
- ETMA 100, Technical Systems in Agr (3 hours), replaces TSM 100
- ETMA 339, Optimization in Engineering Technology and Management (3 hours), replaces TSM 339
- ETMA 421, Industrial and Agricultural Safety-Injury Prevention (3 hours), replaces TSM 421
- ETMA 422, Industrial and Agricultural Occupational Illness Prevention (3 hours), replaces TSM 422
- ETMA 430, Project Management (2 hours), replaces TSM 430
- ETMA 439, Capstone Experience (4 hours), replaces TSM 439

“TSM Electives” is replaced by “ETMA Electives.”

There is no change to the total hours required for the degree.

19) Concentration in Agricultural Production & Processing in the BS in Engineering Technology and Management for Agricultural Systems – when the name of the major changed from “Technical Systems Management” to “Engineering Technology and Management for Agricultural Systems,” the associated course rubric was also updated. As such, the following courses need to be updated as listed below:

- ETMA 103, Agricultural Machinery and Technology (2 hours), replaces TSM 103
- ETMA 130, Basics of CAD (1 hour), replaces TSM 130
- ETMA 132, Basics of Project Management (1 hour), replaces TSM 132
- ETMA 232, Materials and Construction Sys (3 hours), replaces TSM 232
- ETMA 233, Metallurgy & Welding Process (3 hours), replaces TSM 233
- ETMA 234, Wiring, Motors and Control Sys (3 hours), replaces TSM 234
- ETMA 262, Off-Road Equipment Management (3 hours), replaces TSM 262
- ETMA 295, Undergrad Research or Thesis (1 to 4 hours), replaces TSM 295
- ETMA 352, Land and Water Mgt Systems (3 hours), replaces TSM 352
- ETMA 363, Fluid Power Systems (2 hours), replaces TSM 363
- ETMA 371, Residential Housing Design (3 hours), replaces TSM 371
- ETMA 372, Environ Control & HVAC Systems (3 hours), replaces TSM 372
- ETMA 381, Grain Drying & Storage Systems (3 hours), replaces TSM 381
- ETMA 396, UG Honors Research or Thesis (1 to 4 hours), replaces TSM 396
- ETMA 425, Managing Industrial and Agricultural Safety Risks (3 hours), replaces TSM 425
- ETMA 435, Elec Computer Ctrl Sys (3 hours), replaces TSM 435
ETMA 464, Engine and Tractor Power (3 hours), replaces TSM 464
ETMA 467, Precision Agric Technology (3 hours), replaces TSM 467
ETMA 486, Grain Bioprocessing Coproducts (3 hours), replaces TSM 486
ETMA 496, Independent Study (1 to 4 hours), replaces TSM 496
“TSM Electives” is replaced by “ETMA Electives.”

There is no change to the total hours required for the concentration or for the degree.

20) **Concentration in Construction Management in the BS in Engineering Technology and Management for Agricultural Systems** – 1) in the list of courses students may select from to achieve 18 hours, replace ACE 435, Global Agribusiness Management (3 hours) with ACE 345, Finan Decision Indiv Sm Bus (3 hours); 2) When the name of the major changed from “Technical Systems Management” to “Engineering Technology and Management for Agricultural Systems,” the associated course rubric was also updated. As such, the following courses need to be updated as listed below:

ETMA 130, Basics of CAD (1 hour), replaces TSM 130
ETMA 132, Basics of Project Management (1 hour), replaces TSM 132
ETMA 232, Materials and Construction Sys (3 hours), replaces TSM 232
ETMA 233, Metallurgy & Welding Process (3 hours), replaces TSM 233
ETMA 234, Wiring, Motors and Control Sys (3 hours), replaces TSM 234
ETMA 262, Off-Road Equipment Management (3 hours), replaces TSM 262
ETMA 295, Undergrad Research or Thesis (1 to 4 hours), replaces TSM 295
ETMA 352, Land and Water Mgt Systems (3 hours), replaces TSM 352
ETMA 363, Fluid Power Systems (2 hours), replaces TSM 363
ETMA 371, Residential Housing Design (3 hours), replaces TSM 371
ETMA 372, Environ Control & HVAC Systems (3 hours), replaces TSM 372
ETMA 381, Grain Drying & Storage Systems (3 hours), replaces TSM 381
ETMA 396, UG Honors Research or Thesis (1 to 4 hours), replaces TSM 396
ETMA 425, Managing Industrial and Agricultural Safety Risks (3 hours), replaces TSM 425
ETMA 435, Elec Computer Ctrl Sys (3 hours), replaces TSM 435
ETMA 496, Independent Study (1 to 4 hours), replaces TSM 496
“TSM Electives” is replaced by “ETMA Electives.”

There is no change to the total hours required for the concentration or for the degree.

21) **Concentration in Digital and Precision Agriculture in the BS in Engineering Technology and Management for Agricultural Systems** – 1) in the list of Concentration Electives from which students are to select 18 hours, update the course rubric from GEOG to GGIS where students are to select one set of GGIS 379, Introduction to Geographic Information Systems (4 hours) or GGIS 380, Spatial Problem Solving (4 hours) OR GGIS 477, Introduction to Remote Sensing (3 hours) or GGIS 478, Techniques of Remote Sensing (3 hours); 2) in this same list of Concentration Electives, in the subsection from which students are to select one Natural Resources and Environmental Sciences course, add NRES 475, Environmental Microbiology (3 hours) and parse out the subsection of Crop Sciences courses such that students select one of either CPSC 212, Introduction to Plant Protection (3 hours) or CPSC 270, Applied Entomology (3 hours) and then another Crop Science course from an existing list that remains unchanged; 3) When the name of the major changed from “Technical Systems Management” to “Engineering Technology and Management for Agricultural Systems,” the associated course rubric was also updated. As such, the following courses need to be updated as listed below:

ETMA 103, Agricultural Machinery and Technology (2 hours), replaces TSM 103
ETMA 262, Off-Road Equipment Management (3 hours), replaces TSM 262
ETMA 363, Fluid Power Systems (2 hours), replaces TSM 363
ETMA 435, Elec Computer Ctrl Sys (3 hours), replaces TSM 435
ETMA 464, Engine and Tractor Power (3 hours), replaces TSM 464
ETMA 467, Precision Agric Technology (3 hours), replaces TSM 467

There is no change to the total hours required for the concentration or for the degree.

22) **Concentration in Energy and the Environment in the BS in Engineering Technology and Management for Agricultural Systems** – 1) in the list of Concentration Electives from which students are to select 18 hours, within the subsection of Natural Resources and Environmental Courses from which students are to select at least one course, add NRES 429, Aquatic Ecosystem Conservation (3 hours) and in the subsection of other courses from which students may select to achieve the 18 minimum, remove ECE 482, Digital IC Design (3 hours); 2) When the name of the major changed from “Technical Systems Management” to “Engineering Technology and Management for Agricultural Systems,” the associated course rubric was also updated. As such, the following courses need to be updated as listed below:

   - ETMA 130, Basics of CAD (1 hour), replaces TSM 130
   - ETMA 132, Basics of Project Management (1 hour), replaces TSM 132
   - ETMA 232, Materials and Construction Sys (3 hours), replaces TSM 232
   - ETMA 233, Metallurgy & Welding Process (3 hours), replaces TSM 233
   - ETMA 234, Wiring, Motors and Control Sys (3 hours), replaces TSM 234
   - ETMA 295, Undergrad Research or Thesis (1 to 4 hours), replaces TSM 295
   - ETMA 371, Residential Housing Design (3 hours), replaces TSM 371
   - ETMA 372, Environ Control & HVAC Systems (3 hours), replaces TSM 372
   - ETMA 381, Grain Drying & Storage Systems (3 hours), replaces TSM 381
   - ETMA 396, UG Honors Research or Thesis (1 to 4 hours), replaces TSM 396
   - ETMA 425, Managing Industrial and Agricultural Safety Risks (3 hours), replaces TSM 425
   - ETMA 435, Elec Computer Ctrl Sys (3 hours), replaces TSM 435
   - ETMA 496, Independent Study (1 to 4 hours), replaces TSM 496

   There is no change to the total hours required for the concentration or for the degree.

23) **Minor in Agricultural, Consumer, and Environmental Sciences** – 1) in the list of Global Study in the Social Science Discipline courses from which students are to take 3-9 hours, update the course number for Public Information Campaigns from AGCM 320 to AGCM 420 (3 hours); 2) update the listing for GGIS 204, Cities of the World (3 hours); GGIS 210, Social & Environmental Issues (3 hours); and GGIS 410, Green Development (3 hours) so they reflect the department’s current rubric, which changed from GEOG to GGIS; 3) in the list of Global Study in the Natural Disciplines courses from which students are to take 3-9 hours, update TSM 311, Humanity in the Food Web, to ETMA 311 (3 hours) to reflect the new rubric. There is no change to the total hours required for the minor.

24) **Minor in Spatial and Quantitative Methods in Natural Resources and Environmental Sciences** – to reflect the department’s rubric change from GEOG to GGIS: 1) in the list of Mathematical Modeling courses from which students are to select one course, update the Biological Modeling course from GEOG 468 to GGIS 468 (3 hours); 2) in the Spatial Analysis courses from which students are to select one course, update GGIS 460, Aerial Photo Analysis (3 hours); GGIS 476, Applied GIS to Environ Studies (3 hours); GGIS 478, Techniques of Remote Sensing (3 hours); GGIS 479, Advanced Topics in GIS (3 hours); and GGIS 489, Programming for GIS (4 hours), changing the rubrics on all from GEOG to GGIS.

25) **Minor in Geography and Geographic Information Science** – in keeping with the update in the department’s course rubric from GEOG to GGIS, the following courses in this minor need to be updated as listed below:

   - GGIS 101, Global Development&Environment (3 hours), replaces GEOG 101
   - GGIS 103, Earth’s Physical Systems (4 hours), replaces GEOG 103
GGIS 104, Social and Cultural Geography (3 hours), replaces GEOG 104
GGIS 105, The Digital Earth (3 hours), replaces GEOG 105
GGIS 106, Geographies of Globalization (3 hours), replaces GEOG 106
GGIS 221, Geographies of Global Conflict (3 hours), replaces GEOG 221
GGIS 204, Cities of the World (3 hours), replaces GEOG 204
GGIS 205, Business Location Decisions, replaces GEOG 205
GGIS 224, Environmental Data Science (3 hours), replaces GEOG 224
GGIS 254, American People, Places, & Environments (3 hours), replaces GEOG 254
GGIS 350, Sustainability and the City (3 hours), replaces GEOG 350
GGIS 356, Sustainable Development in South Asia (3 hours), replaces GEOG 356
GGIS 384, Population Geography (3 hours), replaces GEOG 384
GGIS 405, Geography Field Course (3 hours), replaces GEOG 405
GGIS 410, Green Development (3 hours), replaces GEOG 410
GGIS 438, Geography of Health Care (3 hours), replaces GEOG 438
GGIS 455, Geography of Sub-Saharan Africa (3 hours), replaces GEOG 455
GGIS 465, Transportation & Sustainability (3 hours), replaces GEOG 465
GGIS 471, Recent Trends in Geog Thought (3 hours), replaces GEOG 471
GGIS 483, Urban Geography (3 hours), replaces GEOG 483
GGIS 484, Cities, Crime, and Space (3 hours), replaces GEOG 484
GGIS 210, Social & Environmental Issues (3 hours), replaces GEOG 210
GGIS 222, Big Rivers of the World (3 hours), replaces GEOG 222
NRES/GGIS 401, Watershed Hydrology (3 hours), replaces NRES/GEOG 401
GGIS 405, Geography Field Course (1 to 4 hours), replaces GEOG 405
GGIS 406, Fluvial Geomorphology (4 hours), replaces GEOG 406
GGIS 408, Humans and River Systems (4 hours), replaces GEOG 408
GGIS 412, Geospatial Technology & Society (3 hours), replaces GEOG 412
GGIS 459, Ecohydraulics (4 hours), replaces GEOG 459
GGIS 496, Climate & Social Vulnerability (3 hours), replaces GEOG 496
GGIS 371, Spatial Analysis (4 hours), replaces GEOG 371
GGIS 379, Introduction to Geographic Information Systems (4 hours), replaces GEOG 379
GGIS 380, Spatial Problem Solving (4 hours), replaces GEOG 380
GGIS 412, Geospatial Technology & Society (3 hours), replaces GEOG 412
GGIS 440, Business Applications of GIS (3 hours), replaces GEOG 440
GGIS 460, Aerial Photo Analysis (3 hours), replaces GEOG 460
GGIS 468, Biological Modeling (3 hours), replaces GEOG 468
GGIS 473, Digital Cartography & Map Design (4 hours), replaces GEOG 473
GGIS 476, Applied GIS to Environ Studies (3 hours), replaces GEOG 476
GGIS 477, Introduction to Remote Sensing (3 hours), replaces GEOG 477
GGIS 478, Techniques of Remote Sensing (3 hours), replaces GEOG 478
GGIS 479, Advanced Topics in GIS (3 hours), replaces GEOG 479
GGIS 480, Principles of Geographic Information Science (3 hours), replaces GEOG 480

There is no change to the total hours required for the minor.

26) Concentration in Environmental Science & Management in the BS in Natural Resources and Environmental Sciences -- in keeping with the update in the department’s course rubric from GEOG to GGIS and the update in rubric from TSM to ETMA, the following courses in this concentration need to be updated as listed below:
GGIS 406, Fluvial Geomorphology (4 hours), replaces GEOG 406
GGIS 459, Ecohydraulics (4 hours), replaces GEOG 459
ETMA 352, Land and Water Mgt Systems (3 hours), replaces TSM 352
There is no change to the total hours required for the concentration or for the degree.
Program Change Request

Viewing: **1PKS6019MS : Biomedical Image Computing, MS**

Last approved: 07/21/21 9:32 am

Last edit: 01/18/22 9:07 am

Changes proposed by: Maddie Darling

Catalog Pages

Using this Program

**Biomedical Image Computing, MS**

Proposal Type:

<table>
<thead>
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<th>Approval Path</th>
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| 1. 11/02/21 11:37 am  
Deb Forgacs (dforgacs):  
Approved for U Program Review |
| 2. 11/02/21 12:05 pm  
Mark Anastasio (maa): Approved for 1343 Head |
| 3. 12/07/21 4:28 pm  
Keri Pipkins (kcp): Approved for KP Committee Chair |
| 4. 12/08/21 8:22 am  
Candy Deaville (candyc): Approved for KP Dean |
| 5. 12/08/21 8:42 am  
John Wilkin (jpwilkin): |
Rollback to KP Committee Chair for KP Dean
6. 12/08/21 8:59 am
Candy Deaville (candyd): Rollback to KP Committee Chair for KP Dean

7. 12/17/21 9:53 am
Keri Pipkins (kcp): Approved for KP Committee Chair

8. 12/17/21 10:01 am
Candy Deaville (candyc): Rollback to KP Committee Chair for KP Dean

9. 12/17/21 10:51 am
Keri Pipkins (kcp): Approved for KP Committee Chair

10. 12/17/21 3:52 pm
Candy Deaville (candyc): Approved for KP Dean

11. 12/17/21 4:19 pm
John Wilkin (jpwilkin): Approved for University Librarian

12. 01/07/22 9:30 am
Allison McKinney (agrinldy): Approved for Grad_College

13. 01/18/22 9:11 am
Kathy Martensen (kmartens): Approved for Provost
1. Jul 21, 2021 by Maddie Darling (darling4)

Major (ex. Special Education)

This proposal is for a: Revision

**Administration Details**

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<th>Official Program Name</th>
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List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. **Purpose:** List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration? No

**Proposal Title**

Effective Catalog Fall 2022 Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval: Revise the MS in Biomedical Image Computing:

Editing to include additional technical elective options.
List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

Additional technical elective courses relevant to the degree have been identified.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment
The MS program in Biomedical Image Computing is being created to rigorously train students in biomedical imaging science and machine learning; beginning with foundational coursework that builds into a curriculum comprised of in-depth statistical and deep learning for biomedical imaging applications. The program will culminate with a capstone project in which students will develop and implement machine learning solutions to real-world problems in biomedical imaging.

Student learning objectives will be as follows:

• Ability to apply quantitative skills, engineering principles, and computational principles to propose novel and practical solutions to biomedical imaging problems
• Ability to recognize and understand professional and ethical responsibilities
• Ability to identify and communicate real-world biomedical imaging problems with bigger vision and offer solutions, as well as their impact, effectively to a diverse audience and stakeholders, both orally and in writing
• Ability to develop effective leadership skills in order to foster the ability to collaborate and work with a diverse team, which is essential for a career in either academia or industry

Student learning objectives will be assessed in a variety of ways, including:
• Coursework performance
• Presentations on capstone projects
• Capstone mentor feedback
• Progress meetings with the Program Director
• Exit interviews/survey
• Job/graduate school placement data

Students who elect to participate in the optional boot camp will take an exam at the end, strictly to determine baseline knowledge in Python programming concepts and data science tools. The results of this exam will be compared to coursework performance throughout the program, in an effort to track learning progress through the program. The capstone projects will be assessed based on the rigor of the evaluation studies and quality of the final presentation and report. The Program Director will hold mandatory advising meetings throughout the program and conduct exit interviews with each student at the end of the program. At the end of the program, students will also complete an anonymous online exit survey with questions pertaining to their level of preparation for either additional graduate study or their career. The program’s governing committee, led by the Program Director, will convene at the end of each year to review the surveys and propose program modifications, if needed, based on student feedback. Job placement data will also be reviewed on an annual basis by the program committee, via responses to required Graduate College surveys and the Illini Success Survey.

This program does not involve licensure, certification, and/or entitlement requirements.
Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs  MS BIC Side-by-Side 11012021.xlsx

Attach a side-by-side comparison with the existing program

AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab
bioengineering.illinois.edu

Head of Department: Mark Anastasio
Associate Head of Graduate Programs: Gregory Underhill
1240 Everitt Laboratory
1406 W. Green St.
Urbana, IL 61801
(217) 333-1867
E-mail: bioe-gradprograms@illinois.edu

Major: Biomedical Image Computing
Degree Offered: M.S.

Graduate Degree Programs
The M.S. in Biomedical Image Computing blends together the fields of biomedical imaging science and machine learning. Students will receive a rigorous training in imaging systems and analysis, computational imaging, and machine learning, in preparation for an industry career.

Admission
Applicants should have a bachelor’s degree in an engineering or other quantitative discipline from an accredited college or university. Students should have a minimum grade point average of 3.00 (A=4.00) or equivalent for the last two years of undergraduate study and show evidence of strong quantitative skills and of serious interest in imaging and machine learning through their personal statement. Students in the program do not have automatic admission to the Ph.D. program in any engineering department.

All applicants whose native language is not English must submit a minimum TOEFL score of 102 (iBT), 257 (CBT), or 613 (PBT); or minimum International English Language Testing System (IELTS) academic exam scores of 7.0 overall and 6.0 in all subsections. Applicants may be exempt from the TOEFL if certain criteria are met. Applicants with lesser scores may still apply. Limited status is granted for Lesser scores and requires enrollment in English as a Second Language (ESL) courses based on an ESL Placement Test (EPT) taken upon arrival to campus.

Financial Aid
The tuition and fees for the M.S. in Biomedical Image Computing are the standard Graduate and Professional Programs rates for the College of Engineering. Students in the M.S. in Biomedical Image Computing program are not eligible for tuition-waiver generating assistantships.

Statement for Programs of Study Catalog
### Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Coursework</strong></td>
<td></td>
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</tr>
<tr>
<td>BIOE 483</td>
<td>Biomedical Computed Imaging Systems</td>
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<tr>
<td>BIOE 484</td>
<td>Statistical Analysis of Biomedical Images</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 485</td>
<td>Computational Mathematics for Machine Learning and Imaging</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 486</td>
<td>Applied Deep Learning for Biomedical Imaging</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 488</td>
<td>Applied High-Performance Computing for Imaging Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOE 489</td>
<td>Regulations, Ethics and Logistics in Biomedical Applications of Machine Learning</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 580</td>
<td>Foundations of Imaging Science</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 588</td>
<td>Biomedical Image Computing Capstone Project Literature Review</td>
<td>1</td>
</tr>
<tr>
<td>BIOE 589</td>
<td>Biomedical Image Computing Capstone Project</td>
<td>4</td>
</tr>
<tr>
<td>Choose one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOE 586</td>
<td>Deep Generative Models in Bioimaging</td>
<td>4</td>
</tr>
<tr>
<td><strong>OR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Approved Elective Courses:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advisor Approval is required for elective courses not listed below</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOE 504</td>
<td>Analytical Methods in Bioeng</td>
<td></td>
</tr>
<tr>
<td>BIOE 505</td>
<td>Computational Bioengineering</td>
<td></td>
</tr>
<tr>
<td>BIOE 507</td>
<td>Advanced Bioinstrumentation</td>
<td></td>
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<tr>
<td>BIOE 597</td>
<td>Individual Study</td>
<td></td>
</tr>
<tr>
<td>CS 543</td>
<td>Computer Vision</td>
<td></td>
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<tr>
<td>CS 547</td>
<td>Deep Learning</td>
<td></td>
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<tr>
<td>ECE 513</td>
<td>Vector Space Signal Processing</td>
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<tr>
<td>ECE 534</td>
<td>Random Processes</td>
<td></td>
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<td>ECE 543</td>
<td>Statistical Learning Theory</td>
<td></td>
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<td>ECE 544</td>
<td>Topics in Signal Processing</td>
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</tr>
<tr>
<td>ECE 558</td>
<td>Digital Imaging</td>
<td></td>
</tr>
<tr>
<td>ECE 561</td>
<td>Statistical Inference for Engineers and Data Scientists</td>
<td></td>
</tr>
<tr>
<td>ECE 564</td>
<td>Modern Light Microscopy</td>
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<tr>
<td>ECE 566</td>
<td>Computational Inference and Learning</td>
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<td>ECE 569</td>
<td>Inverse Problems in Optics</td>
<td></td>
</tr>
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<td>ECE 580</td>
<td>Optimiz by Vector Space Methods</td>
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<tr>
<td><strong>Total Hours</strong></td>
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### Other Requirements

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<tr>
<th>Code</th>
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<th>Hours</th>
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<tr>
<td>Minimum 500-level hours required overall:</td>
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<tr>
<td>Minimum GPA:</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Minimum credit hours taken from the University of Illinois at Urbana-Champaign campus:</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Maximum number of previous University of Illinois at Urbana-Champaign graduate-level coursework not applied to any other degree that may be transferred and applied to the major pending department and Graduate College approval.</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>
Corresponding Degree: MS Master of Science

Program Features

Academic Level: Graduate

Does this major have transcripted concentrations? No

What is the typical time to completion of this program? 3 Semesters

What are the minimum Total Credit Hours required for this program? 36

What is the required GPA? 3.0

CIP Code: 140501 - Bioengineering and Biomedical Engineering.

Is This a Teacher Certification Program? No

Will specialized accreditation be sought for this program? No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Admission Requirements

Desired Effective Admissions Term: Fall 2021

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

Applicants to the program must hold a minimum of a baccalaureate degree from an accredited college or university. Applicants will be expected to possess an undergraduate education in an engineering or other quantitative discipline. Applicants should have a minimum grade point average of 3.00 (A = 4.00) or equivalent for the last two years of undergraduate study and show evidence of strong quantitative skills and serious interest in imaging and machine learning through their personal statement.
Describe how critical academic functions such as admissions and student advising are managed.

A program committee will be established to administer the MS program. This committee will consist of tenured or tenure-track faculty members in the Department of Bioengineering including affiliate members from across Grainger Engineering who are engaged in computational biomedical imaging research and/or biomedical data analytics. This committee will be responsible for making admissions decisions and the day-to-day management and maintenance of the academic aspects of the MS program. A Program Director will be appointed to chair this committee.

The Program Director will be responsible for advising students on academic issues and monitoring their progress. It should be noted that the curriculum for the program contains a collection of courses that are largely prescribed, so the advising process should not be burdensome.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact

Estimated Annual Number of Degrees Awarded

<table>
<thead>
<tr>
<th>Year One Estimate</th>
<th>0</th>
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</thead>
<tbody>
<tr>
<td>5th Year Estimate (or when fully implemented)</td>
<td>40</td>
</tr>
</tbody>
</table>

What is the matriculation term for this program?

Fall

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

Yes

Please explain/describe: Although the Department of Bioengineering immediately could accommodate a small cohort of students in the proposed program, the projected steady-state enrollment would place undue burden on current faculty and staff. We intend to fill two new tenure-track faculty positions before the program starts. The department has submitted an Investment for Growth (IFG) proposal to the campus to fund these positions. If the IFG proposal is not selected for funding, the Department of Bioengineering will still move forward with the needed faculty hires. In that case, the hiring commitments will be met by use of the faculty hiring lines already committed to
Dr. Anastasio by Grainger Engineering as part of his recruitment as department head.

In addition to the two new faculty hires, existing faculty in the Department of Bioengineering will contribute to the teaching needs of the program. Dr. Frank Brooks will teach two courses. Since his hiring last year, Dr. Brooks' teaching obligations to the department have been fulfilled by his efforts related to program development (including this one). With consideration of this and the two to-be-hired faculty, there will be, in effect, three new faculty available to contribute to the proposed program. The Department of Bioengineering will also be hiring in several other areas over the coming years. As new faculty join the department, this will permit the realignment of some of the teaching assignments of the department's imaging faculty to support the proposed degree program.

As such, due to these available resources and the Department of Bioengineering's commitment to invest in the area of biomedical image computing, the proposed degree program will receive the staffing needed for its success. In fact, the department has already begun faculty recruiting in areas that are directly relevant to the proposed program.

For the first two years, while the program is ramping up, we will leverage our existing staff to support the administrative needs of the program. We will also work with Professor Dankowicz to leverage Grainger Engineering’s Graduate Program Office shared-service staff to provide additional support as necessary. In Year 3, using program revenue, we will hire a new staff position at the coordinator level. This person would oversee the marketing, budgeting, and other day-to-day business of running the program.

Additional Budget Information

Financial Resources

How does the unit intend to financially support this proposal?

As described in the budget section, the unit will support the new degree through strategic hiring of faculty as supported by existing commitments from Grainger Engineering. For the first two years, while the program is ramping up, we will leverage our existing staff to support the administrative needs of the program. We will also work with Professor Dankowicz to leverage Grainger Engineering’s Graduate Program Office shared-service staff to provide additional support as necessary. In Year 3, using program revenue, we will hire a new staff position at the coordinator level. This person would oversee the marketing, scheduling, budgeting and other day-to-day business of running the program.

Will the unit need to seek campus or other external resources?

No

Attach letters of support
What tuition rate do you expect to charge for this program? e.g., Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Are you seeking a change in the tuition rate or differential for this program?
   No

Is this program requesting self-supporting status?
   Yes

Resource Implications

Facilities
   Will the program require new or additional facilities or significant improvements to already existing facilities?
      No

Technology
   Will the program need additional technology beyond what is currently available for the unit?
      No

Non-Technical Resources
   Will the program require additional supplies, services or equipment (non-technical)?
      No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.
   N/A

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.
   There is no impact to the use of the Library collections, resources, and services.
EP Documentation

EP Control Number
EP.22.068

Attach Rollback/Approval Notices

This proposal requires HLC inquiry No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name
MS:Biomed Image Computing-UIUC

Program Code: 1PKS6019MS

Minor Code 6019

Conc Code

Degree Code MS

Major Code

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Program Reviewer Comments

John Wilkin (jpwilkin) (12/08/21 8:42 am): Rollback: Reading through the submission, I infer that this proposal does not require new library materials or support, but we need a clearer statement to that effect (instead of N/A). If my inference is correct, please note that "Current library collection materials and services are adequate for this program/expansion."
**Candy Deaville (candyd) (12/08/21 8:59 am):** Rollback: Reading through the submission, I infer that this proposal does not require new library materials or support, but we need a clearer statement to that effect (instead of N/A). If my inference is correct, please note that "Current library collection materials and services are adequate for this program/expansion." JPWilkins and Kathy Martensen

**Candy Deaville (candyd) (12/17/21 10:01 am):** Rollback: Roll back per Keri Carter Pipkins request.

**Allison McKinney (agrindly) (01/07/22 9:30 am):** Administratively approved by the Graduate College.

**Kathy Martensen (kmartens) (01/18/22 9:06 am):** Administrative approval: Doesn't change total hours or restrict student choice.

Key: 957
<table>
<thead>
<tr>
<th>Current Requirements</th>
<th>Current Hours</th>
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<tbody>
<tr>
<td>BIOE 483: Biomedical Computed Imaging Systems</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 484: Statistical Analysis of Biomedical Images</td>
<td>4</td>
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</tr>
<tr>
<td>BIOE 488: Applied High-Performance Computing for Imaging Science</td>
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</tr>
<tr>
<td>BIOE 489: Regulations, Ethics and Logistics in Biomedical Applications of Machine Learning</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 580: Foundations of Imaging Science</td>
<td>4</td>
</tr>
<tr>
<td>BIOE 588: Capstone Project Literature Review</td>
<td>1</td>
</tr>
<tr>
<td>BIOE 589: Capstone Project</td>
<td>4</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Additional Courses</th>
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<tbody>
<tr>
<td>BIOE 586 Deep Generative Models in Bioimaging OR</td>
<td>4</td>
</tr>
<tr>
<td>Approved Elective Course (see below)</td>
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</table>

<table>
<thead>
<tr>
<th>Approved Electives</th>
<th>4</th>
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<tbody>
<tr>
<td>BIOE 504: Analytical Methods in Bioengineering</td>
<td></td>
</tr>
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<td>ECE 549: Computer Vision</td>
<td></td>
</tr>
<tr>
<td>ECE 558: Digital Imaging</td>
<td></td>
</tr>
<tr>
<td>ECE 561: Detection &amp; Estimation Theory</td>
<td></td>
</tr>
<tr>
<td>ECE 564: Modern Light Microscopy</td>
<td></td>
</tr>
<tr>
<td>ECE 566: Computational Inference and Learning</td>
<td></td>
</tr>
<tr>
<td>ECE 569: Inverse Problems in Optics</td>
<td></td>
</tr>
<tr>
<td>ECE 580: Optimization by Vector Space Methods</td>
<td></td>
</tr>
</tbody>
</table>

| Total Hours | 36 |
Program Change Request

Date Submitted: 11/30/21 4:38 pm

Viewing: 10KT0277BS : Advertising, BS

Last approved: 04/02/21 3:21 pm

Last edit: 12/14/21 9:20 am

Changes proposed by: Jason Chambers

Catalog Pages
Using this Program

Proposal Type:

In Workflow
1. U Program Review
2. 1408 Committee Chair
3. 1408 Head
4. KT Committee Chair
5. KT Dean
6. University Librarian
7. Provost
8. Senate EPC
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path
1. 12/02/21 4:11 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review

2. 12/03/21 12:07 pm
   Jason Chambers (jpchambe):
   Approved for 1408 Committee Chair

3. 12/03/21 12:08 pm
   Mike Yao (mzyao):
   Approved for 1408 Head

4. 12/09/21 3:02 pm
   Patrick Vargas (pvargas):
   Approved for KT Committee Chair

5. 12/10/21 4:14 pm
Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Advertising, BS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor College</td>
<td>Media, College of</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>Advertising</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Jason P. Chambers</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:jpchambe@illinois.edu">jpchambe@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Katie Clark</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:keclark@illinois.edu">keclark@illinois.edu</a></td>
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</table>

College Budget Officer

<table>
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<tr>
<th>College Budget Officer Email</th>
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<tbody>
<tr>
<td>Amy Leng</td>
</tr>
<tr>
<td><a href="mailto:amyleng@illinois.edu">amyleng@illinois.edu</a></td>
</tr>
</tbody>
</table>
**Proposal Title**

Effective Catalog  Fall 2022  
Term

Provide a brief, concise description (not justification) of your proposal.

**Administrative approval:** This proposal changes the number of required major core classes from a total of eight to six. It also requests a reduction in the number of hours required outside of the College of Media from 72 to 12.

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

**Program Justification**

**Why are these changes necessary?**

The requested changes reflect our desire for students to further concentrate their education through classes in the Department of Advertising and the College of Media. The former program that included eight required courses and 72 hours to be taken outside of the College of Media no longer reflects our faculty’s outlook on the needs for a thorough education in advertising. Additionally, some of the program requirements were holdovers from a time in which our program sought accreditation from an outside organization. We no longer seek accreditation from that organization and, after dozens of hours of research and consultation, feel that the program outlined in this proposal is better for the students in our department.

**Instructional Resources**

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No
Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

The learning outcomes for the BS in Advertising are below:

1. Intellectual reasoning and knowledge
2. Creative inquiry and discovery
3. Effective collaboration and communication
4. Effective leadership and community engagement
5. Social, cultural and global understanding
6. Passion for learning

Each of the aforementioned objectives is incorporated into and assessed in each of the required courses in the major. Additionally, select outcomes are included in the elective courses within the major. It is also recommended that where appropriate, instructors perform a pre- and post-assessment of students understanding of these learning outcomes.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

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Revised programs  Fall 2021 ADV Program Revision.docx

Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab
Advertising offers students the opportunity to learn and think about advertising as a way of modeling the mind, as a material reflection of social structure, as a fundamentally modern phenomenon, as an art form and even as a basis for community, by drawing on insights from psychology, sociology, history, literature, and anthropology. This program will thoroughly infuse the understanding of consumer behavior and message knowledge base and, therefore, provide a long-lasting education for students.

Statement for Programs of Study Catalog

To graduate from the advertising curriculum, a student must meet all general University and College requirements for the degree and must complete the following courses, all of which must be taken for a traditional letter grade:

<table>
<thead>
<tr>
<th>Course List</th>
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</thead>
<tbody>
<tr>
<td>Code</td>
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<tr>
<td>Required Major Courses</td>
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<tr>
<td>ADV 150</td>
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<tr>
<td>ADV 281</td>
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<tr>
<td>ADV 283</td>
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<td>ADV 284</td>
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<td>ADV 390</td>
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<td>ADV 460</td>
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<td>ADV 483</td>
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<tr>
<td>Choose one of the courses below:</td>
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<td>ADV 492</td>
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<tr>
<td>ADV 498</td>
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<tr>
<td>Major Electives</td>
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<tr>
<td>Advertising Electives</td>
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<tr>
<td>College of Media Electives 1</td>
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<tr>
<td>Hours outside the College of Media (72 hours minimum)</td>
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Other Required Supporting Coursework:

<table>
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<th>Code</th>
<th>Title</th>
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<tbody>
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<td>ECON 102</td>
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<td>ECON 103</td>
<td>Macroeconomic Principles</td>
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<td>STAT 100</td>
<td>Statistics 3</td>
<td>3</td>
</tr>
<tr>
<td>Select two of the following:</td>
<td></td>
<td>7-8</td>
</tr>
<tr>
<td>ANTH 103</td>
<td>Anthro in a Changing World</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 100</td>
<td>Intro Psych</td>
<td>4</td>
</tr>
<tr>
<td>SOC 100</td>
<td>Introduction to Sociology</td>
<td>4</td>
</tr>
</tbody>
</table>

Advanced Hours Requirement

At least 20 hours in courses numbered 200 or above. These courses must be outside and not cross-listed with the College of Media. At least 9 of the 20 hours must be in courses numbered 300 or above.
Corresponding Degree

BS Bachelor of Science

Program Features

Academic Level  Undergraduate

Does this major have transcripted concentrations?  No

What is the typical time to completion of this program?  4 years

What are the minimum Total Credit Hours required for this program?  124 hours

CIP Code  090903 - Advertising.

Is This a Teacher Certification Program?  No

Will specialized accreditation be sought for this program?  No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Admission Requirements

Desired Effective  Fall 2022  2021
### Admissions Term

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

This program change only impacts students at the undergraduate level. As a result, admission requirements are those that are standard for all applicants at the University of Illinois.

Describe how critical academic functions such as admissions and student advising are managed.

Within the College of Media, the function of admissions and student advising are managed within our Student Services Center.

### Enrollment

Describe how this revision will impact enrollment and degrees awarded.

It is anticipated that this revision will lead to an increase in the number of students who enroll in elective courses within the Department of Advertising and the College of Media.

### Estimated Annual Number of Degrees Awarded

<table>
<thead>
<tr>
<th>Year One Estimate</th>
<th>5th Year Estimate (or when fully implemented)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What is the matriculation term for this program?

Fall

### Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Additional Budget Information

The reduction in the number of required major courses and in the hours taken outside of the College of Media will not require any budgetary changes.

### Attach File(s)

### Financial Resources
How does the unit intend to financially support this proposal?

This program change will be supported through the continued use of the existing University of Illinois tuition and budget model.

Will the unit need to seek campus or other external resources?

No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g., Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Media (Advertising) Differential Tuition

Are you seeking a change in the tuition rate or differential for this program?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources
Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

It is not anticipated that the changes to the program will have any impact on faculty resources. There will not be a need to hire any additional faculty and that, based on the current maximum enrollment of our courses, student-faculty ratios will remain the same.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

It is not anticipated that the changes to the program will have any impact on University Library resources.

EP Documentation

EP Control Number
EP.22.068

Attach Rollback/Approval Notices
This proposal requires HLC inquiry

No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name
BS:Advertising -UIUC

Program Code:
10KT0277BS

Minor Conc Degree BS Major Code
Code
0277

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date
Kathy Martensen (kmartens) (12/13/21 10:37 am): Added footnote RE: 40 upper-division hours per K. Clark.

Kathy Martensen (kmartens) (12/13/21 10:40 am): Administrative approval: Doesn't change total hours required; doesn't restrict student choice.
## Required Major Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 150</td>
<td>Introduction to Advertising</td>
<td>3</td>
</tr>
<tr>
<td>ADV 281</td>
<td>Advertising Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>ADV 283</td>
<td>Advertising and Brand Strategy</td>
<td>3</td>
</tr>
<tr>
<td>ADV 284</td>
<td>Consumer Insight</td>
<td>3</td>
</tr>
<tr>
<td>ADV 390</td>
<td>Content Creation</td>
<td>3</td>
</tr>
<tr>
<td>ADV 460</td>
<td>Innovation in Advertising</td>
<td>3</td>
</tr>
<tr>
<td>ADV 483</td>
<td>Audience Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ADV 498</td>
<td>The Sandage Project</td>
<td>3</td>
</tr>
</tbody>
</table>

Major Electives: Any ADV course not already required above 12

### College of Media Electives*

<table>
<thead>
<tr>
<th></th>
<th>8-16 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours outside the College of Media (72 hours minimum)</td>
<td>72</td>
</tr>
</tbody>
</table>

Other Required Supporting Coursework:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BADM 320</td>
<td>Principles of Marketing**</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Microeconomic Principles</td>
<td>3</td>
</tr>
<tr>
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<tr>
<td>STAT 100</td>
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### Advanced Hours Requirement

At least 20 hours in courses numbered 200 or above. These courses must be outside and not cross-listed with the College of Media. At least 9 of the 20 hours must be in courses numbered 300 or above.

Please note: Courses used to fulfill University General Education requirements or to fulfill requirements for a minor may count toward these requirements. Courses used to fulfill the College of Media’s advanced outside hours requirement may also count toward these requirements.

124 total hours are required for graduation

### Additional Notes:

*College of Media elective courses offered by or cross-listed with Journalism (JOUR), Media and Cinema Studies (MACS), or the College of Media (MDIA) count toward the remainder.

**Which may be credited toward the College requirement of advanced hours outside the College.

***Or another approved basic course or course sequence in statistical methods, which currently includes ECON 202, EPSY 280, PSYC 235, SOC 280, SOCW 225. Such courses may, if they qualify, also be credited toward the requirement of advanced ours and General Education courses outside the College.
Charles H. Sandage Department of Advertising
REVISED Program (36 Hours in Major)

Required Major Courses

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<tr>
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</tr>
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<tbody>
<tr>
<td>ADV 492</td>
<td>Tech and Advertising Campaigns</td>
<td>3</td>
</tr>
<tr>
<td>ADV 498</td>
<td>The Sandage Project</td>
<td>3</td>
</tr>
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Major Electives: Any ADV course not already required above 18

College of Media Electives* 8-16 Hours

Hours outside the College of Media (12 hours minimum) 12

Other Required Supporting Coursework:

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In Workflow

1. U Program Review
2. 1919 Head
3. KP Committee Chair
4. KP Dean
5. University Librarian
6. Provost
7. Senate EPC
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Proposal Type:

Date Submitted: 12/03/21 11:41 am

Viewing: **4092 : Materials Science & Engineering Minor, UG Minor**

Last approved: 01/27/20 5:34 pm

Last edit: 12/14/21 9:20 am

Changes proposed by: Laura Nagel

Catalog Pages Using this Program

Materials Science & Engineering Minor, UG

Approval Path

1. 12/03/21 4:44 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 12/07/21 9:39 am
   Nancy Sottos (n-sottos): Approved for 1919 Head
3. 12/07/21 10:18 am
   Brooke Newell (bsnewell):
   Approved for KP Committee Chair
4. 12/07/21 10:21 am
   Candy Deaville (candyd):
   Approved for KP Dean
5. 12/07/21 10:22 am
   John Wilkin
Minor (ex. European Union Studies)

This proposal is for a Revision

**Administration Details**

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Materials Science &amp; Engineering</th>
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<tbody>
<tr>
<td>Sponsor College</td>
<td>Grainger College of Engineering</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>Materials Science &amp; Engineering</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Dallas Trinkle</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:dtrinkle@illinois.edu">dtrinkle@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Brooke Newell</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:bsnewell@illinois.edu">bsnewell@illinois.edu</a></td>
</tr>
<tr>
<td>College Budget Officer</td>
<td></td>
</tr>
<tr>
<td>College Budget Officer Email</td>
<td></td>
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</tbody>
</table>

**History**

1. Apr 23, 2019 by Deb Forgacs (dforgacs)
2. Sep 12, 2019 by Brooke Newell (bsnewell)
3. Jan 27, 2020 by Laura Nagel (ljnagel)
List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
   No

Proposal Title

Effective Catalog    Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

   Administrative approval: Remove deactivated course from the elective list for the minor

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?
   MSE 454 has been removed from the catalog. We are updating the elective list to remove this course.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

   No

Does the program include other courses/subjects impacted by the creation/revision of this program?
   No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

   NA

Is the career/profession for graduates of this program regulated by the State of Illinois?
   No
Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs  
MatSE Minor_Minor Revision_Side by Side
Table.xlsx

Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Materials are the basis for all engineering and also are the basis for much of the research in various areas of science. The Minor in Materials Science and Engineering is designed to give students in other areas of engineering and science both a broad view of all materials as well as several courses in a particular area of materials, knowledge that will be of value whether the student pursues a career in industry, government, or academia.

The courses, listed below, have been selected to give an undergraduate student both a strong background in all types of materials as well as more detailed knowledge of particular areas of materials science and engineering (e.g., ceramics, metals, polymers, electronic materials or biomaterials).

The following 18 credits are required:

Statement for Programs of Study Catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Course Work</td>
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<tr>
<td>MSE 280</td>
<td>Engineering Materials</td>
<td>3</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>--------</td>
<td>---------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>MSE 401</td>
<td>Thermodynamics of Materials (Other thermodynamics courses may be substituted upon petition.)</td>
<td>3</td>
</tr>
</tbody>
</table>

One additional course chosen from an approved list below: 3

- MSE 304 Electronic Properties of Materials
- MSE 402 Kinetic Processes in Materials
- MSE 403 Synthesis of Materials
- MSE 405 Microstructure Determination
- MSE 406 Thermal-Mech Behavior of Materials

Nine additional hours in advanced courses selected from: 9

- MSE 404 Laboratory Studies in Materials Science and Engineering 1.5
- MSE 420 Ceramic Materials & Properties 3
- MSE 421 Ceramic Processing 3 or 4
- MSE 422 Electrical Ceramics 3
- MSE 440 Mechanical Behavior of Metals 3
- MSE 441 Metals Processing 3
- MSE 443 Design of Engineering Alloys 3
- MSE 445 Corrosion of Metals 3 or 4
- MSE 450 Polymer Science & Engineering 3 or 4
- MSE 453 Plastics Engineering 3
- **MSE 454 Course MSE 454 Not Found** 3
- MSE 455 Macromolecular Solids 3
- MSE 456 Mechanics of Composites 3
- MSE 457 Polymer Chemistry 3 or 4
- MSE 458 Polymer Physics 3 or 4
- MSE 460 Electronic Materials I 3
- MSE 461 Electronic Materials II 3
- MSE 466 Materials in Electrochem Syst 3
- MSE 470 Design and Use of Biomaterials 3
- MSE 473 Biomolecular Materials Science 3
- MSE 474 Biomaterials and Nanomedicine 3
- MSE 480 Surfaces and Colloids 3 or 4
- MSE 481 Electron Microscopy 3 or 4
- MSE 484 Composite Materials 3 or 4
- MSE 485 Atomic Scale Simulations 3 or 4
- MSE 487 Materials for Nanotechnology 3 or 4
- MSE 488 Optical Materials 3 or 4
Program Features

- Academic Level: Undergraduate
- Is this minor? Yes
  - A Comprehensive study in a single discipline
- Is This a Teacher Certification Program? No
- Will specialized accreditation be sought for this program? No

Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor? No

Delivery Method

This program is available:
- On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

- Will the department limit enrollment to the minor? No
- Describe how the department will monitor the admission to/enrollment in the minor.
  - Student must meet with Chief Advisor prior to admission to minor.
- Are there any prerequisites for the proposed minor? No
- Describe how this revision will impact enrollment and degrees awarded.
  - There will be no impact on minor enrollment or minors awarded.

Budget

- Are there No

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSE 489</td>
<td>Matl Select for Sustainability</td>
<td>3 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ECE 444</td>
<td>IC Device Theory &amp; Fabrication</td>
<td>4</td>
</tr>
</tbody>
</table>
Budgetary implications for this revision?

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?

No

Attach letters of support

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)
Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

There will not be any impact on University Library resources, collections or services.

EP Documentation

EP Control Number
Attach Rollback/Approval Notices
This proposal requires HLC inquiry

No

DMI Documentation

Attach Final Approval Notices
Banner/Codebook Name
Materials Science and Engineering
Program Code: 4092
Minor Code 4092 Conc Code
Degree Code
Major Code

Senate Approval Date
Senate Conference Approval Date
BOT Approval Date
IBHE Approval Date
HLC Approval Date
Effective Date:

Attached Document
Justification for this request
Program Reviewer
Comments

**Kathy Martensen (kmartens) (12/13/21 10:44 am):** Administrative approval:
Doesn't change total hours required; doesn't restrict student choice.
Current minor requirements:
http://catalog.illinois.edu/courses-of-instruction/mse/

Minor in Materials Science and Engineering

Materials are the basis for all engineering and also are the basis for much of the research in various areas of science. The Minor in Materials Science and Engineering is designed to give students in other areas of engineering and science both a broad view of all materials as well as several courses in a particular area of materials, knowledge that will be of value whether the student pursues a career in industry, government, or academia.

The courses, listed below, have been selected to give an undergraduate student both a strong background in all types of materials as well as more detailed knowledge of a particular area of materials (e.g., ceramics, metals, polymers, electronic materials or biomaterials)

The following six courses are required:

<table>
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</tr>
</thead>
<tbody>
<tr>
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<td>MSE 401</td>
<td>Thermodynamics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>One additional course chosen from an approved list. ¹</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Introductory Area course chosen from an approved list. ²</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Senior lab source chosen from an approved list. ³</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Advanced Area course chosen from one of several approved lists. ³</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 18

Course List

¹ Other thermodynamics courses may be substituted upon petition.

² Approved List of Core Courses.  [Note: the links on official catalogue are broken]

³ Approved List for Area Introductory Courses, Senior Lab Courses, and Advanced Area Courses.
Proposed revised minor requirements:

**Minor in Materials Science and Engineering**

Materials are the basis for all engineering and also are the basis for much of the research in various areas of science. The Minor in Materials Science and Engineering is designed to give students in other areas of engineering and science both a broad view of all materials as well as several courses in a particular area of materials, knowledge that will be of value whether the student pursues a career in industry, government, or academia.

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<tr>
<td></td>
<td>One additional core course chosen from an approved list.²</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Nine additional hours in advanced courses selected from approved list.³</td>
<td>9</td>
</tr>
</tbody>
</table>

**Total Hours**: 18

**Course List**

¹ Other thermodynamics courses may be substituted upon petition.

² Approved List of Core Courses: Note: this list includes MSE 304, 402, 403, 405, and 406

³ Approved list of advanced courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSE 403</td>
<td>Synthesis of Materials</td>
<td>3</td>
</tr>
<tr>
<td>MSE 404</td>
<td>Laboratory Studies in Materials Science and Engineering</td>
<td>3</td>
</tr>
<tr>
<td>MSE 420</td>
<td>Ceramic Materials &amp; Properties</td>
<td>3</td>
</tr>
<tr>
<td>MSE 421</td>
<td>Ceramic Processing</td>
<td>3</td>
</tr>
<tr>
<td>MSE 422</td>
<td>Electrical Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>MSE 440</td>
<td>Mechanical Behavior of Metals</td>
<td>3</td>
</tr>
<tr>
<td>MSE 441</td>
<td>Metals Processing</td>
<td>3</td>
</tr>
<tr>
<td>MSE 443</td>
<td>Design of Engineering Alloys</td>
<td>3</td>
</tr>
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<td>MSE 445</td>
<td>Corrosion of Metals</td>
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</tr>
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<td>MSE 450</td>
<td>Polymer Science &amp; Engineering</td>
<td>3</td>
</tr>
<tr>
<td>MSE 453</td>
<td>Plastics Engineering</td>
<td>3</td>
</tr>
<tr>
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<td>Mechanics of Polymers</td>
<td>3</td>
</tr>
<tr>
<td>MSE 455</td>
<td>Macromolecular Solids</td>
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<td>Mechanics of Composites</td>
<td>3</td>
</tr>
<tr>
<td>MSE 457</td>
<td>Polymer Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>MSE 458</td>
<td>Polymer Physics</td>
<td>3</td>
</tr>
<tr>
<td>Code</td>
<td>Course Name</td>
<td>Credits</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>MSE 460</td>
<td>Electronic Materials I</td>
<td>3</td>
</tr>
<tr>
<td>MSE 461</td>
<td>Electronic Materials II</td>
<td>3</td>
</tr>
<tr>
<td>MSE 466</td>
<td>Materials in Electrochem Systems</td>
<td>3</td>
</tr>
<tr>
<td>MSE 470</td>
<td>Design and Use of Biomaterials</td>
<td>3</td>
</tr>
<tr>
<td>MSE 473</td>
<td>Biomolecular Materials Science</td>
<td>3</td>
</tr>
<tr>
<td>MSE 474</td>
<td>Biomaterials and Nanomedicine</td>
<td>3</td>
</tr>
<tr>
<td>MSE 480</td>
<td>Surfaces and Colloids</td>
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</tr>
<tr>
<td>MSE 481</td>
<td>Electron Microscopy</td>
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</tr>
<tr>
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<td>Composite Materials</td>
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</tr>
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</tr>
<tr>
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<td>Materials for Nanotechnology</td>
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</tr>
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<td>MSE 488</td>
<td>Optical Materials</td>
<td>3</td>
</tr>
<tr>
<td>MSE 489</td>
<td>Matl Select for Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>ECE 444</td>
<td>IC Device Theory &amp; Fabrication</td>
<td>4</td>
</tr>
</tbody>
</table>
### Current Program of Study

**Minor Requirements:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MSE 280</td>
<td>Engineering Materials</td>
<td>3</td>
</tr>
<tr>
<td>MSE 401</td>
<td>Thermodynamics of Materials (Other thermodynamics courses may be substituted upon petition.)</td>
<td>3</td>
</tr>
</tbody>
</table>

One additional course chosen from an approved list below: 3

Nine additional hours in advanced courses selected from:

<table>
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<tr>
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<tbody>
<tr>
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<td>Electronic Properties of Materials</td>
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<td>Kinetic Processes in Materials</td>
<td>3</td>
</tr>
<tr>
<td>MSE 403</td>
<td>Synthesis of Materials</td>
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</tr>
<tr>
<td>MSE 405</td>
<td>Microstructure Determination</td>
<td>3</td>
</tr>
<tr>
<td>MSE 406</td>
<td>Thermal-Mech Behavior of Matls</td>
<td>3</td>
</tr>
<tr>
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<td>Laboratory Studies in Materials Science and Engineering</td>
<td>1.5</td>
</tr>
<tr>
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<td>MSE 454</td>
<td>Macromolecular Solids</td>
<td>3</td>
</tr>
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### New Program of Study

**Minor Requirements:**

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<td>Credits</td>
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<td>-------------</td>
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<tr>
<td>MSE 473</td>
<td>Biomolecular Materials Science</td>
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Program Change Request

Date Submitted: 12/08/21 9:54 am

Viewing: 5094 : Informatics Minor, UG

Last approved: 09/30/21 3:22 pm
Last edit: 12/14/21 9:20 am
Changes proposed by: Karin Readel

Proposal Type:

Catalog Pages
Using this
Program

Proposal Type: Informatics Minor, UG

Approval Path
1. 12/08/21 3:07 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 12/08/21 3:28 pm
   Karin Readel (kereadel):
   Approved for 1468 Head
3. 12/08/21 3:57 pm
   Emily Knox (knox):
   Approved for LP Dean
4. 12/08/21 4:15 pm
   John Wilkin (jpwilkin):
   Approved for University Librarian
5. 12/13/21 1:10 pm
   Kathy Martensen (kmartens):
   Approved for Provost
Minor (ex. European Union Studies)

This proposal is for a:
Revision

Administration Details

Official Program: Informatics Minor, UG
Sponsor College: Information Science, School of Informatics
Sponsor Name: Karin Readel
Sponsor Email: kereadel@illinois.edu
College Contact: Karin Readel
College Contact Email: kereadel@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
No

Proposal Title

Effective Catalog Term
Fall 2022
Provide a brief, concise description (not justification) of your proposal.

Administrative approval: Requesting to formalize a long standing agreement regarding restricting Information Systems majors from using BADM courses as upper level electives.

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?

Information Systems majors have been restricted from taking BADM courses as INFO electives since the implementation of this minor in 2007 because there are so many BADM courses required in their major. However this rule was never formalized, and this has resulted in confusion in students’ degree audits. We are seeking to formalize this rule, so BADM courses will be automatically excluded in the INFO electives section of Information Systems majors’ audits.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

no changes to prior plan

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.
An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs  INFO Minor Revision FA2021- ProgramofStudy.docx

Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab
The Minor in Informatics will teach you to become a better creator and user of computing technology in your major area and to think critically about new technology's role in society. No other field has, and will have, a greater influence on humanity in our generation.

Informatics studies the design, application, use and impact of information technology. The ability to handle vast amounts of information cheaply has changed the way we live. Advances in computer power, the World Wide Web, search engines, social networking, mobile technology, GIS, and large-scale collaborative initiatives, to name a few, have revolutionized the way knowledge is created and shared. Information has become a ubiquitous, indispensable component of our everyday lives, as we strive to manage information, create knowledge, and make decisions.

The Informatics Minor signals that you have concrete expertise in computing and Information Technology (IT) and understand their human implications.

Students from any major interested in applying technology or studying its effect on humanity are encouraged to apply, preferably by the end of sophomore year. Although there are no prerequisites, basic familiarity with computers is expected. To receive the Informatics Minor students must complete three core courses plus three upper-level classes with sufficient informatics or computational content from an approved list of courses offered from a wide range of disciplines. The core courses are INFO 102, CS 105, and INFO 202. INFO 102 is a broad introduction to computer science and provides an understanding of the nature, capabilities, and limitations of IT. CS 105 is an introduction to computer programming for non-science and non-engineering majors. INFO 202 explores the ways in which IT has and is transforming society and how these technologies affect a range of social, political, and economic issues from the individual to societal levels. Some substitutions can be made. The list of upper-level courses that count toward the minor is here: https://informatics.ischool.illinois.edu/courses-for-the-minor/. This list is dynamic as new classes are added each year.

Course requirements for students who are **NOT** CS, CS+, ECE, **not CS or Information Systems** CS+ or ECE majors or CS minors:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 102</td>
<td>Little Bits to Big Ideas</td>
<td>4</td>
</tr>
<tr>
<td>INFO 202</td>
<td>Social Aspects Info Tech</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 105</td>
<td>Intro Computing: Non-Tech</td>
<td>3</td>
</tr>
<tr>
<td>CS 101</td>
<td>Intro Computing: Engrg &amp; Sci</td>
<td></td>
</tr>
<tr>
<td>CS 124</td>
<td>Introduction to Computer Science I</td>
<td></td>
</tr>
</tbody>
</table>
Program Features

Academic Level Undergraduate

Is this minor?
A Comprehensive study in a single discipline

Is This a Teacher Certification Program?
No

Will specialized accreditation be sought for this program?
No

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 107</td>
<td>Data Science Discovery</td>
<td></td>
</tr>
<tr>
<td>ECE 120</td>
<td>Introduction to Computing</td>
<td></td>
</tr>
<tr>
<td>&amp; ECE 220</td>
<td>and Computer Systems &amp; Programming</td>
<td></td>
</tr>
</tbody>
</table>

3 upper-level courses from an Informatics-approved list of courses from a variety of disciplines, all with sufficient informatics or computational content

3 upper-level courses from an Informatics-approved list of courses 9-12

Total Hours 19

Course requirements for students who are CS, CS+, CS+ or ECE majors and CS minors:

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
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<tbody>
<tr>
<td>INFO 202</td>
<td>Social Aspects Info Tech</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3-4

- CS 101 Intro Computing: Engrg & Sci
- CS 124 Introduction to Computer Science I
- ECE 220 Computer Systems & Programming

4 upper-level, non-CS courses from an Informatics-approved list of courses12

Total Hours 18-19

Course requirements for students who are Information Systems majors:

<table>
<thead>
<tr>
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Select one of the following: 3

- CS 105 Intro Computing: Non-Tech
- CS 101 Intro Computing: Engrg & Sci
- CS 124 Introduction to Computer Science I
- STAT 107 Data Science Discovery
- ECE 120 Introduction to Computing
- & ECE 220 and Computer Systems & Programming

3 upper-level, non-BADM courses from an Informatics-approved list of courses9

Total Hours 19
Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?

No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?

No

Describe how the department will monitor the admission to/enrollment in the minor.

Students will meet with Informatics Education Coordinator for advising and to fill out online declaration form.

Are there any prerequisites for the proposed minor?

No

Describe how this revision will impact enrollment and degrees awarded.

no anticipated impact.

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Financial Resources

How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?

No
Resource Implications

Facilities
Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology
Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources
Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)
INFO-Minor-Revision-BADM.pdf

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

no anticipated impact

EP Documentation

EP Control Number
EP.22.068

Attach Rollback/Approval Notices

This proposal requires HLC inquiry

No

DMI Documentation
Informatics

Program Code: 5094

Senate Approval Date
Senate Conference Approval Date
BOT Approval Date
IBHE Approval Date
HLC Approval Date
Effective Date:

Attached Document
Justification for this request

Program Reviewer Comments

Kathy Martensen (kmartens) (12/13/21 10:54 am): Administrative approval: Doesn't change total hours required; doesn't restrict student choice.
Kathy Martensen (kmartens) (12/13/21 1:10 pm): Administrative approval: No change to total hours required for the minor; doesn't limit student choice.

Key: 292
## OLD PROGRAM OF STUDY

### Course requirements for students who are not CS or CS+ or ECE majors or CS minors:

**Course List**

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<tr>
<td>STAT 107</td>
<td>Data Science Discovery</td>
<td></td>
</tr>
<tr>
<td>ECE 120 &amp; ECE 220</td>
<td>Introduction to Computing and Computer Systems &amp; Programming</td>
<td></td>
</tr>
</tbody>
</table>

3 upper-level courses from an Informatics-approved list of courses from a variety of disciplines, all with sufficient informatics or computational content  

**Total Hours**  
19

### Course requirements for CS, CS+ or ECE majors and CS minors:

**Course List**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFO 202</td>
<td>Social Aspects Info Tech</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 101</td>
<td>Intro Computing: Engrg &amp; Sci</td>
<td></td>
</tr>
<tr>
<td>CS 124</td>
<td>Introduction to Computer Science I</td>
<td></td>
</tr>
<tr>
<td>ECE 220</td>
<td>Computer Systems &amp; Programming</td>
<td></td>
</tr>
</tbody>
</table>

4 upper-level, non-CS courses from an Informatics-approved list  

**Total Hours**  
18-19

Course List
NEW PROGRAM OF STUDY (new section at end for Information Systems majors):

Course requirements for students who are not CS or CS+ or ECE majors or CS minors or Information Systems majors:

<table>
<thead>
<tr>
<th>Course List</th>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INFO 102</td>
<td>Little Bits to Big Ideas</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>INFO 202</td>
<td>Social Aspects Info Tech</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CS 105</td>
<td>Intro Computing: Non-Tech</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CS 101</td>
<td>Intro Computing: Engrg &amp; Sci</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CS 124</td>
<td>Introduction to Computer Science I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STAT 107</td>
<td>Data Science Discovery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECE 120 &amp; ECE 220</td>
<td>Introduction to Computing and Computer Systems &amp; Programming</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 upper-level courses from an Informatics-approved list of courses</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>19</strong></td>
</tr>
</tbody>
</table>

Course requirements for CS, CS+ or ECE majors and CS minors:

<table>
<thead>
<tr>
<th>Course List</th>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INFO 202</td>
<td>Social Aspects Info Tech</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Select one of the following:</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>CS 101</td>
<td>Intro Computing: Engrg &amp; Sci</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CS 124</td>
<td>Introduction to Computer Science I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECE 220</td>
<td>Computer Systems &amp; Programming</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 upper-level, non-CS courses from an Informatics-approved list of courses</td>
<td>12</td>
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<td></td>
<td><strong>Total Hours</strong></td>
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<td><strong>18-19</strong></td>
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Course requirements for Information Systems majors:

<table>
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<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INFO 102</td>
<td>Little Bits to Big Ideas</td>
<td>4</td>
</tr>
<tr>
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<td>INFO 202</td>
<td>Social Aspects Info Tech</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CS 105</td>
<td>Intro Computing: Non-Tech</td>
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<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
<td></td>
</tr>
<tr>
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<td>------------------------------------------</td>
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<td></td>
</tr>
<tr>
<td>CS 101</td>
<td>Intro Computing: Engrg &amp; Sci</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 124</td>
<td>Introduction to Computer Science I</td>
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<td>STAT 107</td>
<td>Data Science Discovery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 120 &amp; ECE 220</td>
<td>Introduction to Computing and Computer Systems &amp; Programming</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3 upper-level non-BADM courses from an Informatics-approved list of courses 9

**Total Hours** 19
Program Change Request

Date Submitted: 12/14/21 3:24 pm

Viewing: **5032: Study of the Islamic World Minor**

Last edit: 01/05/22 11:04 am

Changes proposed by: Beth McKown

Catalog Pages

Using this Program

Proposal Type:

**Study of the Islamic World, Interdisciplinary Minor**

In Workflow

1. U Program Review
2. 1954 Head
3. KV Dean
4. University Librarian
5. Provost
6. Senate EPC
7. Senate
8. U Senate Conf
9. Board of Trustees
10. IBHE
11. HLC
12. DMI

Approval Path

1. 12/15/21 1:18 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review

2. 12/15/21 1:29 pm
   Wail Hassan (whassan):
   Approved for 1954 Head

3. 12/15/21 1:50 pm
   Stephen Downie (sdownie):
   Approved for KV Dean

4. 12/15/21 1:52 pm
   John Wilkin (jpwilkin):
   Approved for University Librarian

5. 01/05/22 11:06 am
   Kathy Martensen (kmartens):
   Approved for
Minor (ex. European Union Studies)

This proposal is for a:

Revision

Administration Details

Official Program Name: Study of the Islamic World Minor

Sponsor College: Liberal Arts & Sciences

Sponsor Department: S. Asian & MidEast Studies

Sponsor Name: Wail Hassan

Sponsor Email: whassan@illinois.edu

College Contact: Stephen R. Downie

College Contact Email: sdownie@illinois.edu

College Budget Officer

College Budget Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog: Fall 2022

Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval: Administrative Update to Curricula Study of the Islamic World Interdisciplinary Minor.

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).
Program Justification

Why are these changes necessary?

REL 213: Intro to Islam - ACP has been deactivated as a course as of May 2020. Removing REL 213 from course options for the minor.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs

Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and
Completion of a fourth semester course in an Islamic language (e.g. Arabic, Turkish, Swahili, Wolof). 4
Select courses from the approved course list.
Select one of the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 135</td>
<td>History of Islamic Middle East</td>
<td></td>
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<tr>
<td>SAME 152</td>
<td>The New Middle East</td>
<td></td>
</tr>
<tr>
<td>REL 214</td>
<td>Introduction to Islam</td>
<td></td>
</tr>
</tbody>
</table>

Additional courses chosen from the approved course list. The courses must come from at least two disciplines. At least six hours must be at the 300- or 400-level. 12
Total Hours 19
Will the department limit enrollment to the minor?  
No

Describe how the department will monitor the admission to/enrollment in the minor.

N/A

Are there any prerequisites for the proposed minor?  
No

Describe how this revision will impact enrollment and degrees awarded.

N/A

Budget

Are there budgetary implications for this revision?  
No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?  
No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?  
No impact to unit

Will the unit need to seek campus or other external resources?  
No

Attach letters of support

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?  
No

Technology

Will the program need additional technology beyond what is currently available for the unit?
Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number EP.22.068

Attach Rollback/Approval Notices

This proposal requires HLC inquiry No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name Interdisciplinary Minor in the Study of the Islamic World

Program Code: 5032

Minor Code 5032 Conc Code Degree Code

Major Code

Senate Approval Date

Senate Conference
<table>
<thead>
<tr>
<th>Approval Date</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT Approval Date</td>
<td></td>
</tr>
<tr>
<td>IBHE Approval Date</td>
<td></td>
</tr>
<tr>
<td>HLC Approval Date</td>
<td></td>
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<tr>
<td>Effective Date:</td>
<td></td>
</tr>
<tr>
<td>Attached Document</td>
<td></td>
</tr>
<tr>
<td>Justification for this request</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Reviewer Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Kathy Martensen (kmartens) (01/05/22 11:05 am):</strong> Admin approval: Does not change total hours required/restrict students' options.</td>
</tr>
</tbody>
</table>

Key: 253
Program Change Request

Date Submitted: 12/14/21 4:15 pm

Viewing: **5131: Sub-Saharan African Languages Minor**

Last edit: 01/05/22 11:07 am

Changes proposed by: Beth McKown

Catalog Pages
Using this Program

Proposal Type:

---

In Workflow

1. U Program Review
2. 1864 Head
3. SLCL Head
4. KV Dean
5. University Librarian
6. Provost
7. Senate EPC
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path

1. 12/15/21 1:18 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 12/15/21 1:58 pm
   James Hye Suk Yoon (jyoon):
   Approved for 1864 Head
3. 12/15/21 2:26 pm
   Luisa-Elena Delgado (ldelgado):
   Approved for SLCL Head
4. 12/16/21 10:21 am
   Stephen Downie (sdownie):
   Approved for KV Dean
5. 12/16/21 10:23 am
   John Wilkin
Minor (ex. European Union Studies)

This proposal is for a:

Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Sub-Saharan African Languages Minor</th>
</tr>
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<tbody>
<tr>
<td>Sponsor College</td>
<td>Liberal Arts &amp; Sciences</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>Linguistics</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>James Hye Suk Yoon</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:jyoon@illinois.edu">jyoon@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:sdownie@illinois.edu">sdownie@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Stephen R. Downie</td>
</tr>
</tbody>
</table>

College Budget Officer

College Budget Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term

Fall 2022
Program Justification

Why are these changes necessary?

LING 420: Intro to African Linguistics has been deactivated as a course as of Fall 2018. Removing LING 420 from course options for the minor.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

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Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Advanced African Language courses</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>beyond the second year courses chosen</td>
<td></td>
</tr>
<tr>
<td></td>
<td>in consultation with the minor advisor.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Only one African Language can be chosen</td>
<td></td>
</tr>
<tr>
<td></td>
<td>to fulfill this requirement.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>African Linguistics</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>3 hours: Introductory course chosen</td>
<td></td>
</tr>
<tr>
<td></td>
<td>from the following:</td>
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</tr>
<tr>
<td></td>
<td><strong>LING 100</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intro to Language Science</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>LING 400</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intro to Linguistic Structure</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 hours: 300 or 400-level course chosen</td>
<td></td>
</tr>
<tr>
<td></td>
<td>from the following:</td>
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<td></td>
<td><strong>LING 412</strong></td>
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<td></td>
<td>Lang in African Culture &amp; Soc</td>
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<tr>
<td></td>
<td><strong>LING 420</strong></td>
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</tr>
<tr>
<td></td>
<td>Course-LING 420 Not Found</td>
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</tr>
<tr>
<td></td>
<td>A similar course at the 300- or 400-level</td>
<td></td>
</tr>
<tr>
<td></td>
<td>approved by the advisor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>African Studies</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Courses must be selected in consultation</td>
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<tr>
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<td>with the advisor.</td>
<td></td>
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<tr>
<td></td>
<td>One course chosen from the list of</td>
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<tr>
<td></td>
<td>approved introductory courses; and</td>
<td></td>
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<tr>
<td></td>
<td>One course chosen from the list of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>approved courses at the 300 or 400-level.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Note that many courses on the list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>require a prerequisite such as <strong>AFST 222</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>or HIST 110.</td>
<td></td>
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<tr>
<td></td>
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</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

Program Features

Academic Level Undergraduate

Is this minor?

A Comprehensive study in a single discipline

Is This a Teacher Certification Program?
Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?  

No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?  

No

Describe how the department will monitor the admission to/enrollment in the minor.

N/A

Are there any prerequisites for the proposed minor?  

No

Describe how this revision will impact enrollment and degrees awarded.

N/A

Budget

Are there budgetary implications for this revision?  

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?  

No

Additional Budget Information

Attach File(s)

Financial Resources
How does the unit intend to financially support this proposal?

No impact to unit.

Will the unit need to seek campus or other external resources?

No

Attach letters of support

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number

EP.22.068

Attach Rollback/Approval Notices
This proposal requires HLC inquiry

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

Subsaharian African Languages

Program Code: 5131

<table>
<thead>
<tr>
<th>Minor Code</th>
<th>Conc Code</th>
<th>Degree Code</th>
<th>Major Code</th>
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</thead>
<tbody>
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<td>Conc</td>
<td>Degree</td>
<td>Major</td>
</tr>
</tbody>
</table>

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Program Reviewer Comments

Kathy Martensen (kmartens) (01/05/22 11:06 am): Admin approval: Does not change total hours required/restrict students’ options.
Program Change Request

Date Submitted: 12/14/21 2:58 pm

Viewing: 5228: Hindi Studies Minor

Last edit: 01/05/22 11:10 am
Changes proposed by: Beth McKown

Catalog Pages
Using this Program

Proposal Type:

In Workflow
1. U Program Review
2. 1864 Head
3. SLCL Head
4. KV Dean
5. University Librarian
6. Provost
7. Senate EPC
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path
1. 12/15/21 1:18 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 12/15/21 1:59 pm
   James Hye Suk Yoon (jyoon):
   Approved for 1864 Head
3. 12/15/21 2:26 pm
   Luisa-Elena Delgado (lidelgo):
   Approved for SLCL Head
4. 12/16/21 10:20 am
   Stephen Downie (sdownie):
   Approved for KV Dean
5. 12/16/21 10:23 am
   John Wilkin

Proposal Type: Hindi Studies Minor

EP.22.068
Admin Approval #B6
Minor (ex. European Union Studies)

This proposal is for a:

Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Hindi Studies Minor</th>
</tr>
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<tbody>
<tr>
<td>Sponsor College</td>
<td>Liberal Arts &amp; Sciences</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>Linguistics</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>James Hye Suk Yoon</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:jyoon@illinois.edu">jyoon@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Stephen R. Downie</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:sdownie@illinois.edu">sdownie@illinois.edu</a></td>
</tr>
<tr>
<td>College Budget Officer</td>
<td></td>
</tr>
<tr>
<td>College Budget Officer Email</td>
<td></td>
</tr>
</tbody>
</table>

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Mithilesh Mishra

Does this program have inter-departmental administration?

No

Proposal Title

| Effective Catalog Term | Fall 2022 |
Program Justification

Why are these changes necessary?
LING 111 course number was changed and approved to LING 222 in Spring 2020. Updating program requirements for the minor.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?
No

Does the program include other courses/subjects impacted by the creation/revision of this program?
No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).
N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400-level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit’s college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?
All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs

Attach a side-by-side comparison with the existing program

AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hindi language requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HNDI 404</td>
<td>Intermediate Hindi II</td>
<td>10</td>
</tr>
<tr>
<td>HNDI 405</td>
<td>Advanced Hindi I</td>
<td></td>
</tr>
<tr>
<td>HNDI 406</td>
<td>Advanced Hindi II</td>
<td></td>
</tr>
<tr>
<td>Two courses in Indian Linguistics/sociolinguistics (to be chosen from the following list in consultation with advisor)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>LING 115</td>
<td>Language and Culture in India</td>
<td></td>
</tr>
<tr>
<td>LING 222</td>
<td>Language in Globalization</td>
<td></td>
</tr>
</tbody>
</table>

Course LING 111 Not Found

Students with prior knowledge of any of the languages mentioned above can also meet the 3-5 credit requirement by taking upper level courses of the languages.

Total Hours 19-21

Program Features

Academic Level Undergraduate
Is this minor?  
[**A Comprehensive study in a single discipline**

Is This a Teacher Certification Program?  
**No**

Will specialized accreditation be sought for this program?  
**No**

Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?  
**No**

### Delivery Method

This program is available:

[**On Campus - Students are required to be on campus, they may take some online courses.**](#)

### Enrollment

Will the department limit enrollment to the minor?  
**No**

Describe how the department will monitor the admission to/enrollment in the minor.

**N/A**

Are there any prerequisites for the proposed minor?  
**No**

Describe how this revision will impact enrollment and degrees awarded.

**N/A**

### Budget

Are there budgetary implications for this revision?  
**No**

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?  
**No**

Additional Budget Information

Attach File(s)
Financial Resources

How does the unit intend to financially support this proposal?
No impact to unit.

Will the unit need to seek campus or other external resources?
No

Attach letters of support

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?
No

Technology

Will the program need additional technology beyond what is currently available for the unit?
No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?
No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number
EP.22.068

Attach
This proposal requires HLC inquiry.

**DMI Documentation**

Attach Final Approval Notices

Banner/Codebook Name: Hindi Studies

Program Code: 5228

<table>
<thead>
<tr>
<th>Minor Code</th>
<th>Conc Code</th>
<th>Degree Code</th>
<th>Major Code</th>
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</thead>
<tbody>
<tr>
<td>5228</td>
<td>5228 Conc</td>
<td>5228</td>
<td>5228</td>
</tr>
</tbody>
</table>

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Program Reviewer: Kathy Martensen (kmartens) (01/05/22 11:10 am): Admin approval: Does not change total hours required/restrict students' options.
Program Change Request

Date Submitted: 12/14/21 2:47 pm

Viewing: **5233 : Arabic Studies Minor**

Last edit: 01/05/22 11:13 am

Changes proposed by: Beth McKown

Catalog Pages
Using this Program

Proposal Type:

**Arabic Studies Minor, UG**

In Workflow

1. **U Program Review**
2. **1864 Head**
3. **SLCL Head**
4. **KV Dean**
5. **University Librarian**
6. **Provost**
7. **Senate EPC**
8. **Senate**
9. **U Senate Conf**
10. **Board of Trustees**
11. **IBHE**
12. **HLC**
13. **DMI**

Approval Path

1. 12/15/21 1:18 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 12/15/21 1:59 pm
   James Hye Suk Yoon (jyoon):
   Approved for 1864 Head
3. 12/15/21 2:26 pm
   Luisa-Elena Delgado (l.delgado):
   Approved for SLCL Head
4. 12/16/21 10:19 am
   Stephen Downie (sdownie):
   Approved for KV Dean
5. 12/16/21 10:24 am
   John Wilkin
Minor (ex. European Union Studies)

This proposal is for a:

Revision

Administration Details

Official Program Name: Arabic Studies Minor
Sponsor College: Liberal Arts & Sciences
Sponsor Department: Linguistics
Sponsor Name: James Hye Suk Yoon
Sponsor Email: jyoon@illinois.edu
College Contact: Stephen R. Downie
College Contact Email: sdownie@illinois.edu
College Budget Officer:
College Budget Officer Email:

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Eman Saadah

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term: Fall 2022
Provide a brief, concise description (not justification) of your proposal.

Administrative approval: Administrative Update to Arabic Studies Minor.

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?

REL 213: Intro to Islam - ACP has been deactivated as a course as of May 2020.
Removing REL 213 from a long list of course options for the minor.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400-level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit’s college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?
All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language requirement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARAB 405</td>
<td>Advanced Standard Arabic I</td>
<td>6</td>
</tr>
<tr>
<td>ARAB 406</td>
<td>Advanced Standard Arabic II</td>
<td></td>
</tr>
<tr>
<td>Arabic Culture and Linguistics courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose two courses from the following in consultation with the advisor: ARAB 150- Lang; Culture of Arab World OR ARAB 210: Colloquial Arabic I OR ARAB 412: Business Arabic OR a Study Abroad Equivalent (must be approved by the advisor)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Two Interdisciplinary courses related to the Arab World (To be chosen from the following list in consultation with the advisor)</td>
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<td></td>
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<tr>
<td>ARAB 407</td>
<td>Topics Stand Arabic Lang&amp;Lit I</td>
<td></td>
</tr>
<tr>
<td>ARAB 408</td>
<td>Topics Stand Arabic LangLit II</td>
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<tr>
<td>ARAB 409</td>
<td>Adv Top Stand Arabic LangLit I</td>
<td></td>
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<tr>
<td>ARAB 410</td>
<td>AdvTop Stand Arabic LangLit II</td>
<td></td>
</tr>
<tr>
<td>ARAB 413</td>
<td>Arabic-English Translation</td>
<td></td>
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<tr>
<td>CWL 205</td>
<td>Islam &amp; West Through Lit</td>
<td></td>
</tr>
<tr>
<td>CWL 481</td>
<td>Topics in Arabic Literature &amp; Culture</td>
<td></td>
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<tr>
<td>HIST 135</td>
<td>History of Islamic Middle East</td>
<td></td>
</tr>
<tr>
<td>HIST 334</td>
<td>Modern Palestinian History</td>
<td></td>
</tr>
<tr>
<td>HIST 335</td>
<td>Middle East 1566-1914</td>
<td></td>
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<tr>
<td>HIST 337</td>
<td>Middle East Since World War I</td>
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<tr>
<td>HIST 338</td>
<td>Egypt Since World War I</td>
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<tr>
<td>PS 347</td>
<td>Gov &amp; Pol of Middle East</td>
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<tr>
<td>REL 213</td>
<td>Course REL 213 Not Found</td>
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<tr>
<td>REL 214</td>
<td>Introduction to Islam</td>
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<tr>
<td>REL 223</td>
<td>The Qur'an (Koran)</td>
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<td>REL 260</td>
<td>Mystics and Saints in Islam</td>
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<tr>
<td>REL 403</td>
<td>Women in Muslim Societies</td>
<td></td>
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<tr>
<td>REL 408</td>
<td>Islam &amp; Politics in Mid. East</td>
<td></td>
</tr>
</tbody>
</table>
Program Features

Academic Level  Undergraduate

Is this minor?  
A Comprehensive study in a single discipline

Is This a Teacher Certification Program?  
No

Will specialized accreditation be sought for this program?  
No

Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?  
No

Delivery Method

This program is available:  
On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?  
No

Describe how the department will monitor the admission to/enrollment in the minor.  
N/A

Are there any prerequisites for the proposed minor?  
No

Describe how this revision will impact enrollment and degrees awarded.  
N/A

Budget

Are there  No
budgetary implications for this revision?

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

No impact to unit

Will the unit need to seek campus or other external resources?

No

Attach letters of support

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)
**Library Resources**

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current collections and services are adequate for the proposed program.

**EP Documentation**

<table>
<thead>
<tr>
<th>EP Control</th>
<th>EP.22.068</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
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<tr>
<td>Attach Rollback/Approval Notices</td>
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**DMI Documentation**

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<tr>
<td>Name</td>
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<td>Program Code:</td>
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<tr>
<td>Minor Code</td>
<td>5233 Conc Code</td>
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<td>Degree Code</td>
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</tr>
<tr>
<td>Major Code</td>
<td></td>
</tr>
</tbody>
</table>

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Current collections and services are adequate for the proposed program.
Kathy Martensen (kmartens) (01/05/22 11:12 am): Admin approval: Does not change total hours required/strict students' options.
Program Change Request

Viewing: **5714 : Turkish Studies Minor**

Last approved: 08/28/19 11:00 am
Last edit: 01/05/22 11:15 am
Changes proposed by: Beth McKown

Catalog Pages
Using this Program

Proposal Type:

**Turkish Studies Minor**

Approval Path

1. 12/15/21 1:18 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 12/15/21 1:59 pm
   James Hye Suk Yoon (jyoon):
   Approved for 1864 Head
3. 12/15/21 2:26 pm
   Luisa-Elena Delgado (Idelgaco):
   Approved for SLCL Head
4. 12/16/21 10:19 am
   Stephen Downie (sdownie):
   Approved for KV Dean
5. 12/16/21 10:20 am
   John Wilkin
Minor (ex. European Union Studies)

This proposal is
for a:
Revision

Administration Details

Official Program        Turkish Studies Minor
Name
Sponsor College        Liberal Arts & Sciences
Sponsor                Linguistics
Department
Sponsor Name           James Hye Suk Yoon
Sponsor Email          jyoon@illinois.edu
College Contact        Stephen R. Downie  Amy Elli
                       College Contact
Email
College Budget Officer
College Budget Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Ayse Ozcan
Does this program have inter-departmental administration?  
No

### Proposal Title

**Effective Catalog**  
**Fall 2022**

### Program Justification

Why are these changes necessary?

REL 213: Intro to Islam - ACP has been deactivated as a course as of May 2020. Removing REL 213 from a long list of course options for the minor.

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

### Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

### Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

### Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals
An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400-level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

The minor in Turkish Studies is designed for students interested in developing their understanding of Turkey as a complement to their disciplinary major. Completion of the minor requires at least 18 hours in applicable courses.

Statement for Programs of Study Catalog

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Language Requirement</strong></td>
<td></td>
</tr>
<tr>
<td>TURK 405</td>
<td>Advanced Turkish I</td>
<td>6</td>
</tr>
<tr>
<td>TURK 406</td>
<td>Advanced Turkish II</td>
<td></td>
</tr>
<tr>
<td>TURK 270</td>
<td>Language and Culture in Turkey</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Turkish Language &amp; Culture</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Additional Courses related to Turkey/Ottoman Empire</strong></td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Chosen from the following list or from other applicable courses in consultation with the minor advisor:</td>
<td></td>
</tr>
<tr>
<td>ANTH 402</td>
<td>Transnational Islam, Europe-US</td>
<td></td>
</tr>
<tr>
<td>ANTH 488</td>
<td>Modern Europe</td>
<td></td>
</tr>
<tr>
<td>EURO 415</td>
<td>Europe and the Mediterranean</td>
<td></td>
</tr>
<tr>
<td>HIST 135</td>
<td>History of Islamic Middle East</td>
<td></td>
</tr>
<tr>
<td>HIST 335</td>
<td>Middle East 1566-1914</td>
<td></td>
</tr>
<tr>
<td>HIST 337</td>
<td>Middle East Since World War I</td>
<td></td>
</tr>
<tr>
<td>HIST 356</td>
<td>The Modern Balkans through Literature and Film</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>--------</td>
<td>------------------------------------------------------------</td>
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</tr>
<tr>
<td>HIST 396</td>
<td>Special Topics (when focused on Turkey)</td>
<td></td>
</tr>
<tr>
<td>HIST 439</td>
<td>The Ottoman Empire</td>
<td></td>
</tr>
<tr>
<td>HIST 466</td>
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<td>FR 418</td>
<td>Language &amp; Minorities in Europe</td>
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<td>MUS 418</td>
<td>Regional Studies in Musicology (when focused on Turkey)</td>
<td></td>
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<tr>
<td>PS 152</td>
<td>The New Middle East</td>
<td></td>
</tr>
<tr>
<td>PS 347</td>
<td>Gov &amp; Pol of Middle East</td>
<td></td>
</tr>
<tr>
<td>REL 213</td>
<td>Course REL 213 Not Found</td>
<td></td>
</tr>
<tr>
<td>or REL 214</td>
<td>Introduction to Islam</td>
<td></td>
</tr>
<tr>
<td>REL 214</td>
<td>Introduction to Islam</td>
<td></td>
</tr>
<tr>
<td>REL 223</td>
<td>The Qur'an (Koran)</td>
<td></td>
</tr>
<tr>
<td>REL 403</td>
<td>Women in Muslim Societies</td>
<td></td>
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<tr>
<td>REL 408</td>
<td>Islam &amp; Politics in Mid. East</td>
<td></td>
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<tr>
<td>REL 480</td>
<td>Islamic Law</td>
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<td>REL 482</td>
<td>Muslim-Christian Interactions</td>
<td></td>
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<tr>
<td>REES 201</td>
<td>Introduction to Eastern Europe</td>
<td></td>
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<tr>
<td>SOC 483</td>
<td>Middle Eastern Societies &amp; Cultures</td>
<td></td>
</tr>
<tr>
<td>Study Abroad course(s) relevant to Turkey (maximum of 3 hours; must be approved by the advisor)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TURK 490</td>
<td>Special Topics in Turkish</td>
<td></td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

Students who test out of the advanced language requirement (405-406) must take six additional hours of advanced (300- or 400-level) coursework from the list of Turkey/Ottoman Empire electives.

---

### Program Features

**Academic Level** | Undergraduate

**Is this minor?**

- A Comprehensive study in a single discipline

**Is This a Teacher Certification Program?**

- No

**Will specialized accreditation be sought for this program?**

- No

**Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?**

- No

---

### Delivery Method

This program is available:
On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?
No

Describe how the department will monitor the admission to/enrollment in the minor.

N/A

Are there any prerequisites for the proposed minor?
No

Describe how this revision will impact enrollment and degrees awarded.
N/A

Budget

Are there budgetary implications for this revision?
No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?
No impact on unit.

Will the unit need to seek campus or other external resources?
No

Attach letters of support

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?
No
Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number

EP.22.068

Attach Rollback/Approval Notices

This proposal requires HLC inquiry

No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

Turkish Studies

Program Code: 5714

Minor Code: 5714 Conc Code: Degree Code: Major Code:
Kathy Martensen (kmartens) (01/05/22 11:15 am): Admin approval: No change in total hours required; does not restrict students' options.

Key: 561
Program Change Request

Viewing: **4038 : South Asian Studies Minor**

Last edit: 01/06/22 2:45 pm
Changes proposed by: Beth McKown

Catalog Pages
Using this Program

Proposal Type:

South Asian Studies Interdisciplinary Minor

**Approval Path**
1. 01/05/22 3:46 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 01/05/22 4:01 pm
   Wail Hassan (whassan):
   Approved for 1954 Head
3. 01/05/22 4:27 pm
   Stephen Downie (sdownie):
   Approved for KV Dean
4. 01/05/22 4:49 pm
   John Wilkin (jpwilkin):
   Approved for University Librarian
5. 01/06/22 2:49 pm
   Kathy Martensen (kmartens):
   Approved for Provost
Minor (ex. European Union Studies)

This proposal is for a:

Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>South Asian Studies Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor College</td>
<td>Liberal Arts &amp; Sciences</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>S. Asian &amp; MidEast Studies</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Wail Hassan</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:whassan@illinois.edu">whassan@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Stephen R. Downie</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:sdownie@illinois.edu">sdownie@illinois.edu</a></td>
</tr>
</tbody>
</table>

College Budget Officer

College Budget Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Angela Williams

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Fall 2022 Term

Provide a brief, concise description (not justification) of your proposal.

Admin approval: Administrative Update to Curricula South Asian Studies Minor.

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification
Why are these changes necessary?
REL 213: Intro to Islam-ACP has been deactivated as of May 2020. Removing REL 213 from a long list of course options for the minor.

Instructional Resources
Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?
No

Does the program include other courses/subjects impacted by the creation/revision of this program?
No

Program Regulation and Assessment
Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).
N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study
“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?
Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs
Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab
Fourth-semester coursework in an area-relevant language. A course that meets this requirement and is currently offered on a regular basis is HNDI 404 (5 hours). The requirement may also be met by comparable courses in these and other South Asian and South Asia-related languages, taught at UIUC or at other universities, through online courses (where available), and through a proficiency examination.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST/ANTH 130</td>
<td>History of South Asia</td>
<td>3</td>
</tr>
<tr>
<td>Courses on South Asian history, language, literature, culture, and society from the following list:</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Courses on South Asian history, language, literature, culture, and society from the following list:</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>(Other area-relevant courses may be substituted as they are offered, with approval of the advisor. These include courses in languages other than Hindi and independent study courses with South Asia teaching faculty and with appropriate topics, such as the following ANTH 390, HIST 490, LING 290, PS 490, REL 390, SOC 390. Students wanting to take such independent study courses need to get permission from the instructor; not more than two independent study courses may be taken to meet the degree requirements.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 499</td>
<td>Topics in Anthropology (appropriate sections)</td>
<td></td>
</tr>
<tr>
<td>ASST 398</td>
<td>Colloquium in Asian Studies (appropriate sections)</td>
<td></td>
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<tr>
<td>CWL 189</td>
<td>Literatures of the Islamic World (appropriate sections)</td>
<td></td>
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<tr>
<td>or CWL 190</td>
<td>Modern Asian and African Literatures</td>
<td></td>
</tr>
<tr>
<td>ECON 450</td>
<td>Development Economics (appropriate sections)</td>
<td></td>
</tr>
<tr>
<td>HNDI 405 &amp; HNDI 406</td>
<td>Advanced Hindi I and Advanced Hindi II</td>
<td></td>
</tr>
<tr>
<td>HNDI 408</td>
<td>Intro to South Asian Lit</td>
<td></td>
</tr>
<tr>
<td>HIST 430</td>
<td>India from Colony to Nation</td>
<td></td>
</tr>
<tr>
<td>LA/ASST 218</td>
<td>S Asian Cultural Landscapes</td>
<td></td>
</tr>
<tr>
<td>PS/ASST 346</td>
<td>Gov &amp; Pol of South Asia</td>
<td></td>
</tr>
<tr>
<td>REL 104</td>
<td>Asian Mythology</td>
<td></td>
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<tr>
<td>REL 213</td>
<td>Course REL 213 Not Found</td>
<td></td>
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<tr>
<td>REL 260</td>
<td>Mystics and Saints in Islam</td>
<td></td>
</tr>
<tr>
<td>REL 286</td>
<td>Introduction to Hinduism</td>
<td></td>
</tr>
<tr>
<td>REL 494</td>
<td>Topics in Religious Thought</td>
<td></td>
</tr>
<tr>
<td>REL 403</td>
<td>Women in Muslim Societies</td>
<td></td>
</tr>
<tr>
<td>REL 408</td>
<td>Islam &amp; Politics in Mid. East</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td>18-20</td>
<td></td>
</tr>
</tbody>
</table>
Other area-relevant courses may be substituted as they are offered, with approval of the advisor. These include courses in languages other than Hindi and independent study courses with South Asia teaching faculty and with appropriate topics, such as the following ANTH 390%7C, HIST 490%7C, LING 290%7C, PS 490%7C, REL 390%7CCode, SOC 390%7C. Students wanting to take such independent study courses need to get permission from the instructor; not more than two independent study courses may be taken to meet the degree requirements.

Program Features

- **Academic Level**: Undergraduate
- **Is this minor?**
  - A Comprehensive study in a single discipline
- **Is This a Teacher Certification Program?**
  - No
- **Will specialized accreditation be sought for this program?**
  - No

Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?

- No

Delivery Method

This program is available:

- On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

- **Will the department limit enrollment to the minor?**
  - No

Describe how the department will monitor the admission to/enrollment in the minor.

- N/A

- **Are there any prerequisites for the proposed minor?**
  - No

Describe how this revision will impact enrollment and degrees awarded.

- N/A

Budget
Are there budgetary implications for this revision? 
No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available? 
No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal? 
No impact on unit.

Will the unit need to seek campus or other external resources? 
No

Attach letters of support

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities? 
No

Technology

Will the program need additional technology beyond what is currently available for the unit? 
No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)? 
No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)
Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number EP.22.068
Attach Rollback/Approval Notices
This proposal requires HLC inquiry

DMI Documentation

Attach Final Approval Notices
Banner/Codebook Name South Asian Studies
Program Code: 4038
Minor 4038 Conc Degree Code
Major Code

Senate Approval Date
Senate Conference Approval Date
BOT Approval Date
IBHE Approval Date
HLC Approval Date
Effective Date:
Attached Document
Justification for this request

Current collections and services are adequate for the proposed program.
Kathy Martensen (kmartens) (01/06/22 2:44 pm): Administrative approval: No change to total hours required/doesn't restrict students' options.
Program Change Request

In Workflow
1. U Program Review
2. 1468 Head
3. LP Dean
4. University Librarian
5. Provost
6. Senate EPC
7. Senate
8. U Senate Conf
9. Board of Trustees
10. IBHE
11. HLC
12. DMI

Proposal Type:

Game Studies & Design Minor, UG

Catalog Pages
Using this Program

Approval Path
1. 12/16/21 3:24 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 12/16/21 3:58 pm
   Karin Readel (kereadel):
   Approved for 1468 Head
3. 12/16/21 4:49 pm
   Emily Knox (knox):
   Approved for LP Dean
4. 12/16/21 5:09 pm
   John Wilkin (jpwilkin):
   Approved for University Librarian
5. 01/05/22 11:40 am
   Kathy Martensen (kmartens):
   Approved for Provost

Date Submitted: 12/16/21 11:09 am

Viewing: List: UG - Game Studies & Design: Game Studies & Design Minor, UG - Electives List

Last approved: 12/13/21 11:55 am
Last edit: 01/05/22 11:19 am
Changes proposed by: Lisa Bievenue

Date Submitted: 12/16/21 11:09 am

Viewing: List: UG - Game Studies & Design: Game Studies & Design Minor, UG - Electives List

Last approved: 12/13/21 11:55 am
Last edit: 01/05/22 11:19 am
Changes proposed by: Lisa Bievenue
Minor (ex. European Union Studies)

This proposal is for a:

Revision

Administration Details

Official Program Name
Game Studies & Design Minor, UG - Electives List

Sponsor College
Information Science, School of

Sponsor Department
Informatics

Sponsor Name
Lisa Bievenue

Sponsor Email
bievenue@illinois.edu

College Contact
Emily Knox

knox@illinois.edu

College Budget Officer

College Budget Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
No

Proposal Title

Effective Catalog Term
Spring 2022
Provide a brief, concise description (not justification) of your proposal.

Administrative approval: Update the elective list with some new AHS courses, and also provided the new permanent course numbers for classes which were previously taught as special topics courses.

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?

These changes will make the elective list current and accurate with course numbers.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

See Proposal 1069

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?
Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs  **GSD- Elective Revisions.docx**
Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

**The elective coursework requirement allows students either to generalize across game studies fields, or to specialize by taking elective courses concentrated in one of our nine advising pathways which correspond to different professional specializations in the game industry and in game-related academic research.** The current advising pathways are Design, Programming, Education & Research, Film & Media, Music, Sound & Dance, Narrative, Play Studies, Theater, and Visual Arts. Students do not need to declare a pathway and may even elect to take courses from three different pathways if they wish a general survey of the field. Pathways do not need to be declared.

**Only one experiential (independent study, studio, internship, or capstone) course will be accepted as an elective towards the minor degree.** See Proposal 1069

Statement for Programs of Study Catalog

**From the College of Applied Health Sciences**

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COMMUNITY HEALTH</td>
<td></td>
</tr>
<tr>
<td>CHLH 441</td>
<td>Health Behavior and Technology</td>
<td>3 or 4</td>
</tr>
<tr>
<td></td>
<td>KINESIOLOGY</td>
<td></td>
</tr>
<tr>
<td>KIN 346</td>
<td>Case Study: Endless Summer</td>
<td>3</td>
</tr>
<tr>
<td>KIN 369</td>
<td>Coaching Strategies</td>
<td>3</td>
</tr>
<tr>
<td>KIN 442</td>
<td>Body, Culture &amp; Society</td>
<td>3 or 4</td>
</tr>
<tr>
<td>KIN 474</td>
<td>Tech-Driven Health Intervention</td>
<td>3 or 4</td>
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<tr>
<td></td>
<td>RECREATION, SPORT AND TOURISM</td>
<td></td>
</tr>
<tr>
<td>RST 199</td>
<td>Undergraduate Open Seminar (Section ESF only)</td>
<td>1 to 5</td>
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</table>

**From the College of Education**

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>CURRICULUM &amp; INSTRUCTION</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>CI 210</td>
<td>Introduction to Digital Learning Environments (Can only be used for either a foundational required course OR an elective course, but not both)</td>
<td>3</td>
</tr>
<tr>
<td>CI 437</td>
<td>Educational Game Design</td>
<td>3 or 4</td>
</tr>
<tr>
<td>CI 439</td>
<td>Critiques of Educational Technology</td>
<td>3 or 4</td>
</tr>
<tr>
<td>CI 483</td>
<td>Computer Systems for CS Teachers</td>
<td>4</td>
</tr>
<tr>
<td>CI 499</td>
<td>Issues and Development in Education (Sections &quot;Attention Learning &amp; Tech&quot; and &quot;Technology Apps for Teachers&quot; only)</td>
<td>2 to 4</td>
</tr>
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</table>

**From the College of Fine & Applied Arts**

**Course List**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FAA 499</td>
<td>Special Topics (Section &quot;Escape Rooms as Interactive Theatre&quot; only)</td>
<td>0 to 4</td>
</tr>
<tr>
<td>ART 310</td>
<td>Design Thinking</td>
<td>3</td>
</tr>
<tr>
<td>ART 350</td>
<td>Writing with Video</td>
<td>3</td>
</tr>
<tr>
<td>ART 499</td>
<td>Special Topics in Art</td>
<td>1 to 4</td>
</tr>
<tr>
<td>ARTD 318</td>
<td>Interaction Design</td>
<td>2</td>
</tr>
<tr>
<td>ARTD 418</td>
<td>Advanced Interaction Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTD 451</td>
<td>Ethics of a Designer in a Global Economy</td>
<td>4</td>
</tr>
<tr>
<td>ARTD 499</td>
<td>Special Topics in Design</td>
<td>1 to 4</td>
</tr>
<tr>
<td>ARTJ 301</td>
<td>Manga: The Art of Image and Word</td>
<td>3</td>
</tr>
<tr>
<td>ARTJ 302</td>
<td>Intro to Japanese Animation</td>
<td>3</td>
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<tr>
<td>ARTS 320</td>
<td>Fashion and Textiles Design</td>
<td>3</td>
</tr>
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<td>ARTS 340</td>
<td>The Art of 3D Imaging</td>
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</tr>
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<td>ARTS 444</td>
<td>Interaction II</td>
<td>3 or 4</td>
</tr>
<tr>
<td>ARTS 445</td>
<td>Special Topics in New Media</td>
<td>3 or 4</td>
</tr>
<tr>
<td>ARTS 499</td>
<td>Special Topics in Studio Art</td>
<td>1 to 4</td>
</tr>
</tbody>
</table>

**DANCE**

| DANC 256 | Choreographic Laboratory I (Section JT only)                    | 1 to 2  |

**MUSIC**

| MUS 209 | Music, Sound, Technology (Acoustics for Musicians)               | 3       |
| MUS 407 | Elect Music Techniques I                                         | 3       |
| MUS 409 | Elec Music Techniques II                                         | 2       |
| MUS 499 | Proseminar in Music (Sections "Audio Coding with SuperCollider", "Audio Recording Techniques I", and "Critical Audio Listening for Audio Engineers" only) | 0 to 4  |

**THEATRE**

| THEA 409 | Stage Management Workshop                                       | 3 or 4  |
| THEA 410 | Dramaturgs Workshop                                              | 3 or 4  |
| THEA 411 | Playwrights' Workshop                                           | 3       |

**DANC 400** Not Found
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<thead>
<tr>
<th>Code</th>
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<tr>
<td>THEA 418</td>
<td>Devising Social Issues Theatre</td>
<td>3 or 4</td>
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<td>THEA 426</td>
<td>History of Decor</td>
<td>3</td>
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<tr>
<td>THEA 427</td>
<td>Scenic Painting I</td>
<td>3</td>
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<tr>
<td>THEA 428</td>
<td>Scenic Painting II</td>
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<td>Costume Crafts</td>
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<td>THEA 453</td>
<td>Introduction to Theatre Sound</td>
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<td>THEA 455</td>
<td>Sound Design II</td>
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<td>THEA 456</td>
<td>Properties Design</td>
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<td>THEA 461</td>
<td>Introduction to Media Design</td>
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**From the Grainger College of Engineering**

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<tr>
<td>CS 418</td>
<td>Interactive Computer Graphics</td>
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<tr>
<td>CS 419</td>
<td>Production Computer Graphics</td>
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<tr>
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**From the School of Information Sciences**

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<tr>
<td>GSD 399</td>
<td>Advanced Individual Study</td>
<td>0 to 3</td>
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<td>GSD 403</td>
<td>An Introduction to Top Down Video Game Design</td>
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<tr>
<td>GSD 405</td>
<td>Introduction to the Video Game Development Process</td>
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<tr>
<td>GSD 409</td>
<td>Design &amp; Programming of Narrative Games &amp; Simulations</td>
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<tr>
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<td>Writing Across Media</td>
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<td>INFO 403</td>
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<td>INFO 416</td>
<td>Makerspace: Game Studies</td>
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<td>INFO 418</td>
<td>Makerspace: Escape Rooms</td>
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<td>INFO 490</td>
<td>Special Topics (Only sections: &quot;Musical Informatics&quot;, &quot;Computer Music&quot;)</td>
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**From the College of Liberal Arts & Sciences**

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<tr>
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Program Features

Academic Level: Undergraduate

Is this minor?  
An interdisciplinary study focusing on a single theme

Is This a Teacher Certification Program?  
No

Will specialized accreditation be sought for this program?  
No

Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?  
No

Delivery Method

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>ENGL 253</td>
<td>Topics in Literature and New Media</td>
<td>3</td>
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<td>ENGL 277</td>
<td>Gender in Gaming</td>
<td>3</td>
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<tr>
<td>ENGL 396</td>
<td>English Honors Seminar (Section &quot;Games Telling Stories&quot; only)</td>
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From the College of Media

<table>
<thead>
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<th>Title</th>
<th>Hours</th>
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<tr>
<td>ADV 390</td>
<td>Content Creation</td>
<td>3</td>
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<tr>
<td>JOUR 101</td>
<td>Interactive Media &amp; You</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 430</td>
<td>Augmented and Virtual Reality</td>
<td>3 or 4</td>
</tr>
<tr>
<td>JOUR 460</td>
<td>Special Topics (Section &quot;Basic Video Production&quot; only)</td>
<td>1 to 4</td>
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</table>
This program is available:
- Blended - A single program in which students are required to take part of the curriculum on campus and another part in a different location or online.

Describe the use of this delivery method:
- see proposal 1069

### Enrollment

**Will the department limit enrollment to the minor?**
- No

**Describe how the department will monitor the admission to/enrollment in the minor.**
- NA

**Are there any prerequisites for the proposed minor?**
- No

**Describe how this revision will impact enrollment and degrees awarded.**
- These changes clarify what courses are currently available and meet requirements of the GSD minor.

### Budget

**Are there budgetary implications for this revision?**
- No

**Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?**
- No

**Additional Budget Information**
- See proposal 1069

Attach File(s)

### Financial Resources

**How does the unit intend to financially support this proposal?**
- See proposal 1069

**Will the unit need to seek campus or other external resources?**
- No

Attach letters of support
Resource Implications

Facilities
Will the program require new or additional facilities or significant improvements to already existing facilities?
No

Technology
Will the program need additional technology beyond what is currently available for the unit?
No

Non-Technical Resources
Will the program require additional supplies, services or equipment (non-technical)?
No

Resources
For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Library Resources
Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

At present, these courses exist. Over the several years that those courses have been developed, taught, and refined, the University Library's resources proved sufficient to support the developing programs. In our discussions with personnel in the Library, the understanding and support for popular culture, gaming, and game design includes members of the Library's faculty, with one already holding degrees in 3D Animation/Game Design and Media Studies.

In addition to housing an extensive collection of games in the Undergraduate Library, the Library provides access to the most widely recognized, top journals in game studies. These include: ACM Transactions on Modeling and Computer Simulation, Computers in Entertainment: CIE, EAI endorsed transactions on serious games, Eludamos journal for computer game culture, Entertainment Computing, GAME: The Italian Journal of Game Studies, Games and Culture, Games for Health Journal, JMIR Serious Games, International Journal of Serious Games, Loading..., New Media & Society, Science, Technology, & Human Values, and Simulation and Gaming.

Moreover, commercial resources are supplemented by other, relevant titles that are open-access and available on-line:

- Analog Game Studies – open access at https://press.etc.cmu.edu/index.php/product/analog-game-studies-volume-i/
- International Journal of Computer Game Research – open access at https://gamestudies.org
- Well Played – open access at https://press.etc.cmu.edu/index.php/publication-tag/well-played/

### EP Documentation

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<th>EP Control Number</th>
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<tr>
<td>Attach Rollback/Approval Notices</td>
<td>No</td>
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<tr>
<td>This proposal requires HLC inquiry</td>
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### DMI Documentation

<p>| Attach Final Approval Notices | |
|-------------------------------| |
| Banner/Codebook Name | List: UG - Game Studies &amp; Design |</p>
<table>
<thead>
<tr>
<th>Minor Code</th>
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<th>Degree Code</th>
<th>Major Code</th>
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Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Program Reviewer: **Kathy Martensen (kmartens) (01/05/22 11:18 am)**: Administrative approval: Does not change total required hours; does not restrict students' options.

Key: 1070
### CURRENT LIST:

#### From the College of Applied Health Sciences

<table>
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<td></td>
<td><strong>RECREATION, SPORT AND TOURISM</strong></td>
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<tr>
<td>RST 199</td>
<td>Undergraduate Open Seminar (Section ESF only)</td>
<td>1 to 5</td>
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#### From the College of Education

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<td>CI 210</td>
<td>Introduction to Digital Learning Environments (Can only be used for either a foundational required course OR an elective course, but not both)</td>
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<td>CI 437</td>
<td>Educational Game Design</td>
<td>3 or 4</td>
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<tr>
<td>CI 439</td>
<td>Critiques of Educational Technology</td>
<td>3 or 4</td>
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<tr>
<td>CI 483</td>
<td>Computer Systems for CS Teachers</td>
<td>2</td>
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<tr>
<td>CI 499</td>
<td>Issues and Development in Education (Sections &quot;Attention Learning &amp; Tech&quot; and &quot;Technology Apps for Teachers&quot; only)</td>
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<td>FAA 499</td>
<td>Special Topics (Section &quot;Escape Rooms as Interactive Theatre&quot; only)</td>
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#### ART

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<tr>
<td>ART 310</td>
<td>Design Thinking</td>
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<td>ART 350</td>
<td>Writing with Video</td>
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<td>ART 499</td>
<td>Special Topics in Art</td>
<td>1 to 4</td>
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<td>ARTD 318</td>
<td>Interaction Design</td>
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<td>ARTD 418</td>
<td>Advanced Interaction Design</td>
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<td>ARTD 451</td>
<td>Ethics of a Designer in a Global Economy</td>
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<td>ARTD 499</td>
<td>Special Topics in Design</td>
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<td>ARTJ 301</td>
<td>Manga: The Art of Image and Word</td>
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<td>ARTJ 302</td>
<td>Intro to Japanese Animation</td>
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<td>ARTS 320</td>
<td>Fashion and Textiles Design</td>
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<td>ARTS 340</td>
<td>The Art of 3D Imaging</td>
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<td>ARTS 444</td>
<td>Interaction II</td>
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<td>ARTS 445</td>
<td>Special Topics in New Media</td>
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<td>ARTS 499</td>
<td>Special Topics in Studio Art</td>
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**DANCE**
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<tr>
<td>DANC 256</td>
<td>Choreographic Laboratory Intermediate (Section JT only)</td>
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<td>DANC 268</td>
<td>Music Theory for Dancers</td>
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<td>DANC 330</td>
<td>Dance Documentation</td>
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<td>DANC 400</td>
<td>Viewing Dance</td>
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<td>DANC 451</td>
<td>Ind Study and Special Topics (Section &quot;Social Impact thru Arts Tech&quot; only)</td>
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<td>DANC 465</td>
<td>Screendance</td>
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<tr>
<td>MUS 209</td>
<td>Music, Sound, Technology (Acoustics for Musicians)</td>
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<td>MUS 407</td>
<td>Elect Music Techniques I</td>
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<td>MUS 409</td>
<td>Elec Music Techniques II</td>
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<tr>
<td>MUS 499</td>
<td>Proseminar in Music (Sections &quot;Audio Coding with SuperCollider&quot;, &quot;Audio Recording Techniques I&quot;, and &quot;Critical Audio Listening for Audio Engineers&quot; only)</td>
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<td>THEA 409</td>
<td>Stage Management Workshop</td>
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<td>THEA 410</td>
<td>Dramaturgs Workshop</td>
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<td>THEA 411</td>
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<td>THEA 427</td>
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<td>Sound Design II</td>
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<td>THEA 461</td>
<td>Introduction to Media Design</td>
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**From the Grainger College of Engineering**

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<tr>
<td>CS 418</td>
<td>Interactive Computer Graphics</td>
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<td>Production Computer Graphics</td>
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<tr>
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<td>Special Topics (Section &quot;Video Game Development&quot; only)</td>
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<tr>
<td>INFO 303</td>
<td>Writing Across Media</td>
<td>3</td>
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<td>INFO 403</td>
<td>An Introduction to Top Down Video Game Design</td>
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<tr>
<td>IS 145</td>
<td>Mapping Inequalities</td>
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<td>Undergraduate Open Seminar (Section SHG only; Can only be used for either a foundational required course OR an elective course, but not both.)</td>
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<td>IS 357</td>
<td>Introduction to Data Storytelling</td>
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<td>IS 426</td>
<td>Museum Informatics</td>
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<td>IS 490</td>
<td>Topics in Info Foundations (Section &quot;Playful Design Methods&quot; only)</td>
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<td>ENGL 253</td>
<td>Topics in Literature and New Media</td>
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<td>Gender in Gaming</td>
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**From the College of Media**

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<td>JOUR 101</td>
<td>Interactive Media &amp; You</td>
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<td>Augmented and Virtual Reality</td>
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<td>JOUR 460</td>
<td>Special Topics (Section &quot;Basic Video Production&quot; only)</td>
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**MEDIA AND CINEMA STUDIES**

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<td>Studies Film/Media Production</td>
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<tr>
<td>MACS 326</td>
<td>New Media, Culture &amp; Society</td>
<td>3</td>
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<td>MACS 370</td>
<td>Cinematography and Sound Design</td>
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<tr>
<td>MACS 371</td>
<td>Editing and Post-production for Cinema</td>
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<tr>
<td>MACS 372</td>
<td>Screenwriting</td>
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# Course List

## From the College of Applied Health Sciences

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<td>MACS 480</td>
<td>Advanced Filmmaking</td>
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<tr>
<td>MACS 481</td>
<td>Advanced Filmmaking Studio</td>
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<td>MACS 485</td>
<td>Making Video Essays</td>
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<tr>
<td>MACS 496</td>
<td>Advanced Media/Cinema Topics (Sections &quot;Collaboration in Interactive and Immersive Media&quot; and &quot;Advanced Media Practicum&quot; only)</td>
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## PROPOSED NEW ELECTIVE LIST

### From the College of Applied Health Sciences

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### KINESIOLOGY

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<td>Case Study: Endless Summer</td>
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<td>KIN 369</td>
<td>Coaching Strategies</td>
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<tr>
<td>KIN 442</td>
<td>Body, Culture &amp; Society</td>
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<tr>
<td>KIN 474</td>
<td>Tech-Driven Health Intervention</td>
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### RECREATION, SPORT AND TOURISM

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<td>Educational Game Design</td>
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<td>CI 439</td>
<td>Critiques of Educational Technology</td>
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<tr>
<td>CI 483</td>
<td>Computer Systems for CS Teachers</td>
<td></td>
</tr>
<tr>
<td>CI 499</td>
<td>Issues and Development in Education</td>
<td></td>
</tr>
</tbody>
</table>

## Course List

### From the College of Fine & Applied Arts
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAA 499</td>
<td>Special Topics (Section &quot;Escape Rooms as Interactive Theatre&quot; only)</td>
</tr>
<tr>
<td>ART 310</td>
<td>Design Thinking</td>
</tr>
<tr>
<td>ART 350</td>
<td>Writing with Video</td>
</tr>
<tr>
<td>ART 499</td>
<td>Special Topics in Art</td>
</tr>
<tr>
<td>ARTD 318</td>
<td>Interaction Design</td>
</tr>
<tr>
<td>ARTD 418</td>
<td>Advanced Interaction Design</td>
</tr>
<tr>
<td>ARTD 451</td>
<td>Ethics of a Designer in a Global Economy</td>
</tr>
<tr>
<td>ARTD 499</td>
<td>Special Topics in Design</td>
</tr>
<tr>
<td>ARTJ 301</td>
<td>Manga: The Art of Image and Word</td>
</tr>
<tr>
<td>ARTJ 302</td>
<td>Intro to Japanese Animation</td>
</tr>
<tr>
<td>ARTS 320</td>
<td>Fashion and Textiles Design</td>
</tr>
<tr>
<td>ARTS 340</td>
<td>The Art of 3D Imaging</td>
</tr>
<tr>
<td>ARTS 444</td>
<td>Interaction II</td>
</tr>
<tr>
<td>ARTS 445</td>
<td>Special Topics in New Media</td>
</tr>
<tr>
<td>ARTS 499</td>
<td>Special Topics in Studio Art</td>
</tr>
<tr>
<td>DANCE 256</td>
<td>Choreographic Laboratory I (Section JT only)</td>
</tr>
<tr>
<td>DANC 268</td>
<td>Context I: Music Theory for Dancers</td>
</tr>
<tr>
<td>DANC 330</td>
<td>Dance Documentation</td>
</tr>
<tr>
<td><strong>DANC 400</strong></td>
<td>Course DANC 400 Not Found - <strong>DELETED</strong></td>
</tr>
<tr>
<td>DANC 451</td>
<td>Ind Study and Special Topics (Section &quot;Social Impact thru Arts Tech&quot; only)</td>
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<td>DANC 465</td>
<td>Screeendance</td>
</tr>
<tr>
<td>MUSIC 209</td>
<td>Music, Sound, Technology (Acoustics for Musicians)</td>
</tr>
<tr>
<td>MUSIC 407</td>
<td>Elect Music Techniques I</td>
</tr>
<tr>
<td>MUSIC 409</td>
<td>Elec Music Techniques II</td>
</tr>
<tr>
<td>MUSIC 499</td>
<td>Proseminar in Music (Sections &quot;Audio Coding with SuperCollider&quot;, &quot;Audio Recording Techniques I&quot;, and &quot;Critical Audio Listening for Audio Engineers&quot; only)</td>
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<tr>
<td>THEATRE 409</td>
<td>Stage Management Workshop</td>
</tr>
<tr>
<td>THEATRE 410</td>
<td>Dramaturgs Workshop</td>
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</tr>
<tr>
<td>THEA 411</td>
<td>Playwrights' Workshop</td>
</tr>
<tr>
<td>THEA 418</td>
<td>Devising Social Issues Theatre</td>
</tr>
<tr>
<td>THEA 426</td>
<td>History of Decor</td>
</tr>
<tr>
<td>THEA 427</td>
<td>Scenic Painting I</td>
</tr>
<tr>
<td>THEA 428</td>
<td>Scenic Painting II</td>
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<tr>
<td>THEA 445</td>
<td>Costume History I</td>
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<tr>
<td>THEA 448</td>
<td>Costume Crafts</td>
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<td>Introduction to Theatre Sound</td>
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<td>THEA 455</td>
<td>Sound Design II</td>
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<td>THEA 456</td>
<td>Properties Design</td>
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<td>Introduction to Media Design</td>
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Course List

From the Grainger College of Engineering

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>CS 418</td>
<td>Interactive Computer Graphics</td>
</tr>
<tr>
<td>CS 419</td>
<td>Production Computer Graphics</td>
</tr>
<tr>
<td>CS 498</td>
<td>Special Topics (Section &quot;Game Development&quot; only) - TITLE EDITED</td>
</tr>
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</table>

Course List

From the School of Information Sciences

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>GSD 399</td>
<td>Advanced Individual Study - ADDED</td>
</tr>
<tr>
<td>GSD 403</td>
<td>An Introduction to Top Down Video Game Design - ADDED</td>
</tr>
<tr>
<td>GSD 405</td>
<td>Introduction to the Video Game Development Process - ADDED</td>
</tr>
<tr>
<td>GSD 409</td>
<td>Design &amp; Programming of Narrative Games &amp; Simulations - ADDED</td>
</tr>
<tr>
<td>INFO 303</td>
<td>Writing Across Media</td>
</tr>
<tr>
<td>INFO 403</td>
<td>Course INFO 403 Not Found DELETED</td>
</tr>
<tr>
<td>INFO 416</td>
<td>Makerspace: Game Studies - ADDED</td>
</tr>
<tr>
<td>INFO 418</td>
<td>Makerspace: Escape Rooms - ADDED</td>
</tr>
<tr>
<td>INFO 490</td>
<td>Special Topics (Only sections: &quot;Musical Informatics&quot;, &quot;Computer Music&quot;) - EDITED</td>
</tr>
<tr>
<td>IS 145</td>
<td>Mapping Inequalities</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>IS 199</td>
<td>Undergraduate Open Seminar (Section SHG only; Can only be used for either a foundational required course OR an elective course, but not both )</td>
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<tr>
<td>IS 357</td>
<td>Introduction to Data Storytelling</td>
</tr>
<tr>
<td>IS 410</td>
<td>Storytelling</td>
</tr>
<tr>
<td>IS 426</td>
<td>Museum Informatics</td>
</tr>
<tr>
<td>IS 490</td>
<td>Topics in Info Foundations (Section &quot;Playful Design Methods&quot; only)</td>
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</table>

**Course List**

**From the College of Liberal Arts & Sciences**

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ENGL 253</td>
<td>Topics in Literature and New Media</td>
</tr>
<tr>
<td>ENGL 277</td>
<td>Gender in Gaming</td>
</tr>
<tr>
<td>ENGL 396</td>
<td>English Honors Seminar (Section &quot;Games Telling Stories&quot; only)</td>
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</table>

**Course List**

**From the College of Media**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ADV 390</td>
<td>Content Creation</td>
</tr>
<tr>
<td>JOUR 101</td>
<td>Interactive Media &amp; You</td>
</tr>
<tr>
<td>JOUR 430</td>
<td>Augmented and Virtual Reality</td>
</tr>
<tr>
<td>JOUR 460</td>
<td>Special Topics (Section &quot;Basic Video Production&quot; only)</td>
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</table>

**MEDIA AND CINEMA STUDIES**

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MACS 323</td>
<td>Studies Film/Media Production</td>
</tr>
<tr>
<td>MACS 326</td>
<td>New Media, Culture &amp; Society</td>
</tr>
<tr>
<td>MACS 370</td>
<td>Cinematography and Sound Design</td>
</tr>
<tr>
<td>MACS 371</td>
<td>Editing and Post-production for Cinema</td>
</tr>
<tr>
<td>MACS 372</td>
<td>Screenwriting</td>
</tr>
<tr>
<td>MACS 480</td>
<td>Advanced Filmmaking</td>
</tr>
<tr>
<td>MACS 481</td>
<td>Advanced Filmmaking Studio</td>
</tr>
<tr>
<td>MACS 485</td>
<td>Making Video Essays</td>
</tr>
<tr>
<td>MACS 496</td>
<td>Advanced Media/Cinema Topics (Sections &quot;Collaboration in Interactive and Immersive Media&quot; and &quot;Advanced Media Practicum&quot; only)</td>
</tr>
</tbody>
</table>
Program Change Request

Date Submitted: 12/13/21 2:49 pm

Viewing: 10KR0156BLA : Landscape Architecture, BLA

Last approved: 02/26/20 6:16 pm
Last edit: 01/31/22 9:09 am
Changes proposed by: Lori Davis

Catalog Pages
Using this Program

Proposal Type:

Landscape Architecture, BLA

In Workflow
1. U Program Review
2. 1569 Committee Chair
3. 1569 Head
4. KR Dean
5. University Librarian
6. Provost
7. Senate EPC
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path
1. 12/14/21 9:11 am
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 12/14/21 9:28 am
   Lori Davis (drlori):
   Approved for 1569 Committee Chair
3. 01/06/22 2:15 pm
   David Hays (dlhays):
   Approved for 1569 Head
4. 01/07/22 9:24 am
   Nicole Turner (nicturn):
   Approved for KR Dean
5. 01/07/22 9:26 am
   John Wilkin (jpwilkin):
   Approved for University
Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Landscape Architecture, BLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor College</td>
<td>Fine &amp; Applied Arts</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>Landscape Architecture</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Lori Davis</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:drlori@illinois.edu">drlori@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Nicole Turner</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:nicturn@illinois.edu">nicturn@illinois.edu</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>College Budget Officer</th>
<th>Gregory Anderson</th>
<th><a href="mailto:gnanders@illinois.edu">gnanders@illinois.edu</a></th>
</tr>
</thead>
</table>

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

1569 - Committee Chair
Does this program have inter-departmental administration?
   No

Proposal Title

Effective Catalog Fall 2022

Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BLA:

1. The 5-credit hour Professional Internship course (LA 345) requirement will be eliminated, and the credit hours distributed across the curriculum.

2. The 5 supporting elective categories (Communication, Environment, History, Technique, and Social/Cultural Aspects of Design) totaling 15 credit hours will be eliminated.

3. The 20 credit hours gained from #1 and #2 will be distributed as follows: 18 hours to the newly proposed Focused Electives (see Program Justification); 2 hours folded back into free electives or general education courses.

4. Change GEOG 103 to GGIS 103 (due to rubric change in system).

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

N/A

Program Justification
A professional internship is not required by the BLA program’s accreditors, Council of Landscape Architecture Registration Board (CLARB). The availability of internships is dependent on economic fluctuations in the market, and the department has no mechanism to ensure all students can secure an internship position. The department meets the accreditation requirement through professional office visits, visiting practitioners, and department-wide project charrettes.

The current supporting elective structure is cumbersome. While the list of approved courses looks impressive and the courses are still in courses of instruction, many of them are no longer offered with any regularity. The list would require constant updates to include many exciting and more relevant new course offerings. The structure is inflexible, offering little flexibility in exploration or specialization. The proposed approach is at once more resilient relative to evolving priorities of our field, more responsive to the unique interests of individual students, and easier to administer. Furthermore, the requirement of a single course in “social/cultural aspects of design” implies that these aspects of design are separate other courses throughout the curriculum.

The number of credit hours will remain 124 to meet external accreditation expectations.

All BLA students will be required to develop a Plan of Study including a minimum of 18 hours of Focused Electives identified in consultation with the Academic Affairs Coordinator. At least 6 hours of 300-400 level course work will be required. The Focused Electives may be in the form of a campus approved minor or an intentionally identified set of courses. The Academic Affairs Coordinator will submit each student’s Plan of Study to the College Records Officer during the year before graduation (typically referred to as “junior” year).

The Focused Elective structure allows students to identify and pursue a broader range of interests tailored to their varied professional goals. This will allow students more flexibility and self-determination.

**Instructional Resources**

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

Yes

Required courses

Explain how the inclusion or removal of the
Approved supporting electives included courses from 23 departments across campus.
The impact on each department will be minimal. As a courtesy, the following email will be sent to all 23 departments:

UNIT
head of department:
director of undergraduate studies:

Subject: Outreach Regarding Landscape Architecture Major Elective Lists

Hello xx,

I hope this e-mail finds you well. I am reaching out to inform you the Department of Landscape Architecture in the College of Fine & Applied Arts has proposed the removal of the BLA supporting elective lists, which currently includes the following courses from your unit: [insert]. This proposal is submitted for the 2022-2023 catalog year.

The proposal removes the four categories of Supporting Electives (listed here) and instead proposes 18 credit hours of Focused Electives (including the option of completing a minor), with 6 hours at the 300/400 level and selected in consultation with the Landscape Architecture advisor. We will continue to be supportive of students completing minors, certificates, and courses in your unit.

If you have any questions, please do not hesitate to reach out to me.

Sincerely,

David L. Hays
Professor and Brenton H. and Jean B. Wadsworth Head

Attach letters of support or acknowledgement from other departments.

Program Regulation and Assessment
Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

Our stated learning objectives for BLA students are as follows (http://catalog.illinois.edu/undergraduate/faa/landscape-architecture-bla/learning-outcomes/):

- **Knowledge & Reasoning.** Acquire and apply broad and deep knowledge across academic disciplines and fields and use this knowledge to develop design proposals.
- **Natural World.** Use knowledge of natural resource opportunities and constraints that impact land use and design decisions and activities.
- **Social Awareness.** Develop and use an understanding of social and cultural influences on human behavior and the social, political, economic, and legal institutions that influence land-use and design decisions.
- **Creative Inquiry and Discovery.** Employ creative inquiry, a range of analytical skills, and general knowledge to develop design proposals, solve problems, generate new ideas, and produce creative work.
- **Responsibility and Leadership.** Develop and demonstrate a sense of responsibility to the land and the people for whom we design.

Sasaki Day is the single most important assessment tool that we have, and we conduct it as a faculty together with external design critics so that we can gain an objective perspective on how the students are doing, and thus how we as a program are doing. Students are invited to post work; faculty develop a short list of students to present on the day itself; selected students prepare 5-minute presentations of the problem, methodology, data, analysis, conceptualization and representation. The Sasaki Lecturer and members of the Resource Committee serve as reviewers and select the winning projects.

Course instructors administer desk critiques. For pin-ups and reviews, the instructors invite faculty from inside the department, faculty from other university units, practitioners, affiliates with specialized expertise, and MLA and PhD students.

The evaluation of student performance is the responsibility of individual faculty members in their respective courses. Department oversight of student performance is by means of monitoring grade point averages.

**Progress Rule:** In the curriculum, normal progress towards the degree is imperative. A student failing to complete any required course, in both landscape architecture and non-LA required courses, more than one semester later than the time designated in the curriculum may be denied registration in landscape architectural courses until the deficiency is corrected.

**GPA Rule:** Continuing students must have a minimum 2.0 all-university grade point average in order to remain as a student in good standing in the program.

Is the career/profession for graduates of this program regulated by the State of Illinois?

Yes **No**
If yes, please describe.

From the IDFPR website:
Please note, as of August 6, 2021, a new Landscape Architect Act has been signed into law by the Governor and is effective immediately. As a result, the use of the title of “registered landscape architect” and other iterations are once again protected under the Act and regulated by official registration issued by the Department of Financial and Professional Regulation.

Updates for this profession will be posted on the Department website as information becomes available.

The Department thanks you in advance for your patience as we work to facilitate the re-registration of this profession, promulgate the applicable Administrative Rules and provide instructions on how to obtain registration.

Should you have any additional questions, please feel free to contact the Department at 1-800-560-6420.

See: https://www.idfpr.com/profs/LandScapeArch.asp

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs  Copy of BLA Curriculum Comparison 12-14-21.xlsx

Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab
for the degree of Bachelor of Landscape Architecture
department website: https://landarch.illinois.edu/
department faculty: https://landarch.illinois.edu/faculty/
overview of college admissions & requirements: http://catalog.illinois.edu/schools/faa/academic-units/
college website: https://faa.illinois.edu/

e-mail: ladept@illinois.edu

The department’s administrative office, upper-level studios, faculty offices, and classrooms are located in Temple Hoyne Buell Hall. The department also has a studio located in Mumford Hall.

Statement for Programs of Study Catalog

General Education Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td>Some courses may fulfill multiple General Education categories. Courses may also fulfill both major requirements and Gen Ed categories.</td>
<td></td>
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<tr>
<td>Composition I</td>
<td></td>
<td></td>
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<tr>
<td>Advanced Composition (LA 314 fulfills)</td>
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</tr>
<tr>
<td>Quantitative Reasoning I (specific course required):</td>
<td></td>
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</tr>
<tr>
<td>STAT 100</td>
<td>Statistics</td>
<td>3</td>
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<tr>
<td>or MATH 115</td>
<td>Preparation for Calculus</td>
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<tr>
<td>Quantitative Reasoning II</td>
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<tr>
<td>Humanities and the Arts (LA 314 fulfills)</td>
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<tr>
<td>Humanities and the Arts (some courses in Social/Cultural Factors in Design Elective category will fulfill this)</td>
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<tr>
<td>Cultural Studies: Western Comparative Cultures (LA 314 fulfills)</td>
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<tr>
<td>Cultural Studies: U.S. Minority Culture(s)</td>
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</tr>
<tr>
<td>Cultural Studies: Non-Western Cultures (some courses in Social/Cultural Factors in Design Elective category will fulfill this)</td>
<td>0-3</td>
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</tr>
<tr>
<td>Cultural Studies: Non-Western Cultures</td>
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<tr>
<td>Natural Sciences &amp; Technology (specific courses required)</td>
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<tr>
<td>GEOG 103</td>
<td>Course GEOG 103 Not Found</td>
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<tr>
<td>or GEOL 100</td>
<td>Planet Earth</td>
<td></td>
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<tr>
<td>GEOL 100</td>
<td>Planet Earth</td>
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<tr>
<td>or GGIS 103</td>
<td>Earth’s Physical Systems</td>
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<tr>
<td>IB 103</td>
<td>Introduction to Plant Biology</td>
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<tr>
<td>or IB 105</td>
<td>Environmental Biology</td>
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<td>Social and Behavioral Sciences</td>
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<td>Hours</td>
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</tr>
<tr>
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<td>Language Other than English 1</td>
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</table>

**General Education Language Requirement:** Options to satisfy this requirement are noted in the Course Explorer.

# Landscape Architecture Curriculum

<table>
<thead>
<tr>
<th>Course List</th>
<th>Hours</th>
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## Code Title Hours

<table>
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<tr>
<td>FAA 101</td>
<td>Arts at Illinois</td>
<td>1</td>
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<tr>
<td>LA 101</td>
<td>Introduction to Landscape Arch</td>
<td>2</td>
</tr>
<tr>
<td>LA 241</td>
<td>Landform Design &amp; Construction</td>
<td>3</td>
</tr>
<tr>
<td>LA 250</td>
<td>Environmental Site Analysis</td>
<td>3</td>
</tr>
<tr>
<td>LA 280</td>
<td>Design Communications I</td>
<td>3</td>
</tr>
<tr>
<td>LA 281</td>
<td>Design Communications II</td>
<td>3</td>
</tr>
<tr>
<td>LA 314</td>
<td>History of World Landscapes</td>
<td>4</td>
</tr>
<tr>
<td>LA 342</td>
<td>Site Engineering</td>
<td>4</td>
</tr>
<tr>
<td>LA 343</td>
<td>Landscape Construction</td>
<td>4</td>
</tr>
<tr>
<td>LA 452</td>
<td>Natural Precedent in Planting</td>
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### Design Studio Courses

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<tr>
<th>Code</th>
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<tbody>
<tr>
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<td>Foundation Design Studio</td>
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</tr>
<tr>
<td>LA 234</td>
<td>Site Design Studio</td>
<td>5</td>
</tr>
<tr>
<td>LA 335</td>
<td>Community &amp; Open Space Studio</td>
<td>5</td>
</tr>
<tr>
<td>LA 336</td>
<td>Design Workshop Studio I</td>
<td>5</td>
</tr>
<tr>
<td>LA 437</td>
<td>Regional Design Studio</td>
<td>5</td>
</tr>
<tr>
<td>LA 438</td>
<td>Design Workshop Studio II</td>
<td>5</td>
</tr>
</tbody>
</table>

### Professional Preparation

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA 345</td>
<td>Professional Internship</td>
<td>5</td>
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<tr>
<td>LA 346</td>
<td>Professional Practice</td>
<td>2</td>
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</table>

### Supporting Electives (chosen from list in tab above: three credit hours in each of the categories of history, communications, techniques, and environment)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
</table>

### Social/Cultural Factors in Design Elective (pick one):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
</table>

**Focused Electives**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>LA 212</td>
<td>Water and Society</td>
<td></td>
</tr>
<tr>
<td>LA 218</td>
<td>S-Asian Cultural Landscapes</td>
<td></td>
</tr>
<tr>
<td>LA 220</td>
<td>Exploring African Cities</td>
<td></td>
</tr>
<tr>
<td>LA 221</td>
<td>History of the Prison</td>
<td></td>
</tr>
<tr>
<td>LA 222</td>
<td>Islamic Gardens &amp; Architecture</td>
<td></td>
</tr>
<tr>
<td>LA 242</td>
<td>Nature and American Culture</td>
<td></td>
</tr>
<tr>
<td>LA 270</td>
<td>Behavioral Factors in Design</td>
<td></td>
</tr>
<tr>
<td>LA 470</td>
<td>Social/Cultural-Design Issues</td>
<td></td>
</tr>
</tbody>
</table>

**Focused electives are required of all BLA student to graduate and must be approved by the BLA Advisor during an advising appointment.**

### Urban & Regional Planning

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UP 101</td>
<td>Introduction to City Planning</td>
<td>3</td>
</tr>
</tbody>
</table>

### Horticulture

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 301</td>
<td>Course HORT 301 Not Found</td>
<td>4</td>
</tr>
</tbody>
</table>
**Program Features**

**Academic Level**  
Undergraduate

**Does this major have transcripted concentrations?**  
No

**What is the typical time to completion of this program?**  
4 years

**What are the minimum Total Credit Hours required for this program?**  
124

**CIP Code**  
303301 - Sustainability Studies.

**Is This a Teacher Certification Program?**  
No

**Will specialized accreditation be sought for this program?**  
No

**Delivery Method**

This program is available:

- On Campus - Students are required to be on campus, they may take some online courses.

**Admission Requirements**

**Desired Effective Admissions Term**  
Fall 2022
Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

Office of Undergraduate Admissions determines the admissions criteria for the BLA.

Transfer Applicants: To be eligible for admission, they must have minimum 30 transferable hours and 2.50 GPA, and completed English composition, Pre-Calculus or Trigonometry, Physical Geography or Geology, Plant or Environmental Biology, Quantitative Reasoning 1, and 2 of the 3 campus-required units of foreign language. An introductory drawing or design course is strongly recommended.

Describe how critical academic functions such as admissions and student advising are managed.

The full time Academic Affairs Coordinator serves as primary contact and academic advisor for undergraduate students in Landscape Architecture with attention to admissions, visas, academic deadlines, program requirements. The Academic Affairs Coordinator also oversees recruitment initiatives for the BLA.

**Enrollment**

Describe how this revision will impact enrollment and degrees awarded.

We believe that these revisions may help grow enrollment and the number of degrees awarded.

**Estimated Annual Number of Degrees Awarded**

<table>
<thead>
<tr>
<th>Year One Estimate</th>
<th>5th Year Estimate (or when fully implemented)</th>
</tr>
</thead>
</table>

What is the matriculation term for this program?

Fall

**Budget**

Are there budgetary implications for this revision?

Yes
Please describe the budgetary implications for this revision, addressing applicable personnel, facilities, technology and supply costs.

With the elimination of LA 345 (5 hours) summer tuition revenue will decrease minimally. In summer 2021, 2 BLA students were enrolled for 1 credit hour each. In summer 2020, no BLA enrolled in LA 345. In Summer 2019, 4 BLA students enrolled for 5 hours each. Therefore, after examining the number of students and credit hour enrollment the impact is minimal and both the unit and college budget office support this change. LA 345 was submitted to the BOT to offer a 0-hour internship which only charges a nominal fee. Students who elect to complete an internship for earned credit hours may continue to do so which would incur tuition.

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?  
No

Additional Budget Information
Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?  
This program proposal does not require additional resources which need to be financially supported.

Will the unit need to seek campus or other external resources?  
No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Undergraduate, College of Fine & Applied Arts rate

Are you seeking a change in the tuition rate or differential for this program?  
No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?  
No

Technology

Will the program need additional technology beyond what is currently available for the unit?
Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

Faculty resources are sufficient to support the BLA program revisions.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Library collections, resources and services are sufficient to support the BLA program revisions.

EP Documentation

EP Control Number

EP.22.068

Attach Rollback/Approval Notices

This proposal requires HLC inquiry

No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

BLA:Lndscpe Architecture -UIUC

Program Code: 10KR0156BLA
<table>
<thead>
<tr>
<th>Minor Code</th>
<th>Conc Code</th>
<th>Degree Code</th>
<th>BLA Code</th>
<th>Major Code</th>
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<tbody>
<tr>
<td>0156</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Program Reviewer: Kathy Martensen (kmartens) (01/18/22 8:20 am): Administrative approval: No change to total hours required; doesn't restrict student choice.

Key: 134
DRAFT CURRICULUM COMPARISON LANDSCAPE ARCHITECTURE PROPOSED REVISIONS
Current Curriculum

Proposed Curriculum

General Education Requirements

General Education Requirements

Some courses may fulfill multiple General Education categories. Courses may also fulfill both major
requirements and Gen Ed categories.

Some courses may fulfill multiple General Education categories. Courses may also fulfill both major
requirements and Gen Ed categories.

Code
Title
Composition I
Advanced Composition (LA 314fulfills)
Quantitative Reasoning I (specific course required):
STAT 100 Statistics

Hours

Code
Title
Composition I
Advanced Composition (LA 314fulfills)
Quantitative Reasoning I (specific course required):
STAT 100 Statistics

or MATH 115 Preparation for Calculus
Quantitative Reasoning II
Humanities and the Arts (LA 314 fulfills)

3

4
3

3
3
0-3

Humanities and the Arts (some courses in Social/Cultural Factors in Design Elective
category will fulfill this)
Cultural Studies: Western Comparative Cultures (LA 314 fulfills)

Hours

4
3

or MATH 115 Preparation for Calculus
Quantitative Reasoning II
Humanities and the Arts (LA 314 fulfills)

3

Humanities and the Arts

3

Cultural Studies: Western Comparative Cultures (LA 314fulfills)
3

Cultural Studies: U.S. Minority Cultures

3

Cultural Studies: Non-Western Cultures (some courses in Social/Cultural Factors in Design
Elective category will fulfill this)

0-3

Cultural Studies: Non-Western Cultures

3

Natural Sciences & Technology (specific courses required)

6-8

Natural Sciences & Technology (specific courses required)

Cultural Studies: U.S. Minority Culture(s)

GEOG 103 Course GEOG 103 Earth's Physical Systems (4)

GEOL 100 Planet Earth (3)

3-4

or GEOL 100 Planet Earth (3)
3-4
6

Total Credits for General Education

25-33
0-12

1

1

Landscape Architecture Curriculum

Code
Title
College Orientation
FAA 101 Arts at Illinois

Hours
1

Construction, Plant Materials & Design, History, & Design Communications
LA 101
LA 241
LA 250
LA 280
LA 281
LA 314
LA 342
LA 343
LA 452

Introduction to Landscape Arch
Landform Design & Construction
Environmental Site Analysis
Design Communications I
Design Communications II
History of World Landscapes
Site Engineering
Landscape Construction
Natural Precedent in Planting

2
3
3
3
3
4
4
4
3

LA 233
LA 234
LA 335
LA 336
LA 437
LA 438

Foundation Design Studio
Site Design Studio
Community & Open Space Studio
Design Workshop Studio I
Regional Design Studio
Design Workshop Studio II

5
5
5
5
5
5

Professional Preparation

LA 345 Professional Internship
LA 346 Professional Practice

5
2

Social/Cultural Factors in Design Elective (pick one):

3-4
6

Total Credits for General Education
Language Other than English

31-33
0-12

1

General Education Language Requirement: Options to satisfy this requirement are noted in
the Course Explorer.

Landscape Architecture Curriculum

1
29

30

7

12

Supporting Electives (chosen from list in tab above: three credit hours in each of the
categories of history, communications, techniques, and environment)

IB 103 Introduction to Plant Biology (4)
or IB 105 Environmental Biology (3)
Social and Behavioral Sciences

1

General Education Language Requirement: Options to satisfy this requirement are noted in
the Course Explorer.

Design Studio Courses

3-4

or GGIS 103 Earth's Physical Systems (4)

IB 103 Introduction to Plant Biology
or IB 105 Environmental Biology
Social and Behavioral Sciences

Language Other than English

6-8

Code
Title
College Orientation
FAA 101 Arts at Illinois

Hours
1

Construction, Plant Materials & Design, History, & Design Communications
LA 101
LA 241
LA 250
LA 280
LA 281
LA 314
LA 342
LA 343
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Introduction to Landscape Arch
Landform Design & Construction
Environmental Site Analysis
Design Communications I
Design Communications II
History of World Landscapes
Site Engineering
Landscape Construction
Natural Precedent in Planting

2
3
3
3
3
4
4
4
3

LA 233
LA 234
LA 335
LA 336
LA 437
LA 438

Foundation Design Studio
Site Design Studio
Community & Open Space Studio
Design Workshop Studio I
Regional Design Studio
Design Workshop Studio II

5
5
5
5
5
5

Design Studio Courses

Professional Preparation

LA 346 Professional Practice

2

Focused Electives

1
29

30

2

18

Focused electives are a requirement of all BLA students to graduate and must be
approved by the BLA Advisor during an advising appointment.

3

LA 212 Water and Society
LA 218
LA 220
LA 221
LA 222
LA 242
LA 270
LA 470

S Asian Cultural Landscapes
Exploring African Cities
History of the Prison
Islamic Gardens & Architecture
Nature and American Culture
Behavioral Factors in Design
Social/Cultural Design Issues

Urban & Regional Planning
UP 101 Introduction to City Planning
Horticulture

3

HORT 301 Course HORT 301 Not Found
4
Total Credits for LA Major Coursework

3
4
89

Total Credits for BLA
General Education
25-33
1
0-12
Language Other than English
Landscape Architecture Curriculum
89

Urban & Regional Planning
UP 101 Introduction to City Planning
Horticulture

3

LA 390 Woody Landscape Plants*
4
Total Credits for LA Major Coursework

3
4
87

Total Credits for BLA
General Education
31-33
1
0-12
Language Other than English
87
Landscape Architecture Curriculum

Free Electives

0-10

Free Electives

0-2

Minimum Total Credits for BLA

124

Minimum Total Credits for BLA

124


February 26, 2020

Kathy Martensen
Assistant Provost for Educational Programs
206 Swanlund, MC-304

Dear Kathy:

At its meeting on February 20, the University Senates Conference approved the proposed classification of minutes of the Urbana-Champaign Senate meeting of February 10. The Class I items are listed below.

EP.19.69 Establish a Major in Translational Medical Sciences in the Carle Illinois College of Medicine for the Degree of Master of Science

EP.20.34 Establish a Minor in Disability Studies in the Department of Kinesiology and Community Health, College of Applied Health Sciences

EP.20.44 Eliminate the BS MS in Industrial Engineering

EP.20.45 Eliminate the BS MS in Mechanical Engineering

EP.20.46 Revision of Curriculum Requirements for the Ph.D. in Civil Engineering to Add a 96-Credit Hour Option

EP.20.47 Revision of Curriculum Requirements for the Ph.D. in Environmental Engineering to Add a 96-Credit Hour Option

EP.20.48 Revision to the Master of Accounting Science (MAS) Degree Course Requirements

EP.20.49 Revision to Taxation Concentration. Revision to the Master of Accounting Science (MAS) Degree Course Requirements

EP.20.50 Revision to the Data Analytics Concentration. Revision to the Master of Accounting Science (MAS) Degree Course Requirements

EP.20.51 Financial Reporting & Assurance Concentration. Revision to the Master of Accounting Science (MAS) Degree Course Requirements
EP.20.52 Establish Joint Program in the Department of Animal Sciences for the BS/MANSC

EP.20.53 Establish a Joint BS (CS+ANSC)/MANSC Program in the Department of Animal Sciences

EP.20.54 Revise the BALAS in Classics, College of Liberal Arts and Sciences, to Eliminate the Five Ways Students Can Choose a Classics Major (Major in Classics (Without a Concentration) and the Four Concentrations in Greek, Latin, Classics, Classical Civilization, and Classical Archeology. Add Concentrations in Classical Languages and Classical Civilizations as the Only Two Options Students May Pursue a Classics Major

EP.20.55 Revise the BALAS in Classics, College of Liberal Arts and Sciences, Classical Archeology

EP.20.56 Revise the BALAS in Classics, College of Liberal Arts and Sciences, Classical Civilization

EP.20.57 Elimination of the Undergraduate Minor: Classical Archaeology. In Conjunction with the Elimination of Three Other Undergraduate Minors in the Department of Classics: Classical Civilization, Greek, Latin; and the Creation of Two Minors: Classical Civilizations and Classical Languages

EP.20.58 Elimination of the Undergraduate Minor: Greek Minor

EP.20.59 Elimination of the Undergraduate Minor: Classical Civilization

EP.20.60 Elimination of the Undergraduate Minor: Latin Minor

EP.20.61 Creation of a new Undergraduate Minor: Classical Civilizations

EP.20.62 Creation of a new Undergraduate Minor: Classical Languages

EP.20.63 Revise the BALAS in Classics, Classical Civilizations

EP.20.64 Revise the BALAS in Classics, Classical Languages

EP.20.65 Revising EdD Degree Program Course and Exam Requirement

EP.20.66 Revise the Minor in German, Department of Germanic Languages and Literatures

EP.20.67 Revise the BALAS in Classics

EP.20.68 Revise the BALAS in Classics: Latin
| EP.20.69 | Establish a New Master of Science (M.S.) in Mental Health Counseling in the Department of Educational Psychology, College of Education |
| EP.20.70 | Proposal to Establish a New Bachelor of Science Degree with a Major in Plant Biotechnology (B.S. in Plant Biotech) in the Department of Crop Sciences, College of Agricultural, Consumer and Environmental Sciences |
| EP.20.71 | Revision to the Chemistry Minor |
| EP.20.72 | Urban Studies & Planning: Social Justice |
| EP.20.75 | Remove Art History PhD, Art Education PhD, and Education Policy, Organization, and Leadership MA, EdM, and CAS from a List of Programs Participating in the Writing Studies Floating Concentration |
| EP.20.76 | Create a new Minor in German Business and Commercial Studies |
| EP.20.77 | Computer Science & Philosophy, BSLAS (Revisions to the BSLAS in Computer Science & Philosophy, Department of Philosophy) |
| EP.20.78 | Computer Science Minor |
| EP.20.79 | New Proposal for BFA in Theatre: Arts & Entertainment Technology |
| EP.20.80 | Revising Requirements for BFA in Theatre: Scenic Design |
| EP.20.81 | Revising Requirements for BFA in Theatre: Sound Design & Technology |
| EP.20.82 | Revising Requirements for BFA in Theatre: Lighting Design & Technology |
| EP.20.83 | Revising Requirements for BFA in Theatre: Scenic Technology |
| EP.20.84 | Revising Requirements for BFA in Theatre: Costume Design & Technology |
| EP.20.85 | Revising Requirements for BFA in Theatre: Acting |
| EP.20.86 | Revising Requirements for BFA in Theatre |
| EP.20.87 | Revising Requirements for BFA in Theatre: Theatre Studies |
| EP.20.88 | Revising Requirements for BFA in Theatre: Stage Management |
| EP.20.89 | Revising Requirements in Theatre Minor, UG |
EP.20.90  Computer Science & Astronomy, BSLAS (Revise the BSLAS in Computer Science & Astronomy, College of Liberal Arts and Sciences)

EP.20.91  Revising Requirements for BS in Civil Engineering

EP.20.92  Revising Requirements for BS in Computer Engineering

EP.20.93  Revising Requirements for BSAG in Agricultural and Biological Engineering

EP.20.94  Revising Requirements for BS in Agricultural and Biological Engineering

EP.20.95  Revising Requirements for BS in Agricultural & Biological Engineering: Agricultural Engineering

EP.20.96  Revising Requirements for BS in Agricultural & Biological Engineering: Biological Engineering

EP.20.97  Revising Requirements for BS in Computer Science

EP.20.98  Revising Requirements for BS in Electrical Engineering

EP.20.99  Revising Requirements for BS in Engineering Mechanics

EP.20.100  Revising Requirements for BS in Engineering Physics

EP.20.101  Revising Requirements for BS in Systems Engineering & Design

EP.20.102  Revising Requirements for BS in Nuclear, Plasma, and Radiological Engineering

EP.20.103  Revising Requirements for BS in Mechanical Engineering

EP.20.104  Revising Requirements for BS in Materials Science & Engineering

SP.20.09  Proposed Revision to the Constitution, Article II, Section 1.b; Article III, Section 1; and Article IV, Section 1

Sincerely,

Connie Sailor
Administrative Aide

C: Ellen Foran,
Renee Nagy
Julian Parrott
Jenny Roether
Nathan Wilds
Program Change Request

Date Submitted: 01/07/22 11:35 am

Viewing: **10KV0150BALA : History of Art, BALAS**

Last approved: 01/29/19 9:56 am
Last edit: 01/18/22 8:59 am
Changes proposed by: Andrea Ray

Catalog Pages
Using this Program

Proposal Type:
Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>History of Art, BALAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor College</td>
<td>Liberal Arts &amp; Sciences</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>LAS Administration</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Andrea Ray</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:aray@illinois.edu">aray@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Stephen R. Downie</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:sdownie@illinois.edu">sdownie@illinois.edu</a></td>
</tr>
<tr>
<td>College Budget Officer</td>
<td></td>
</tr>
<tr>
<td>College Budget Officer Email</td>
<td></td>
</tr>
</tbody>
</table>

In Workflow

1. U Program Review
2. 1526 Head
3. KR Dean
4. KV Dean
5. University Librarian
6. Provost
7. Senate EPC
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path

1. 01/07/22 1:41 pm Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 01/07/22 2:08 pm Melissa Pokorny (mpokorny):
   Approved for 1526 Head
3. 01/12/22 3:30 pm Stephen Downie (sdownie):
   Approved for KR Dean
4. 01/12/22 3:45 pm John Wilkin (jpwilkin):
   Approved for University Librarian
5. 01/18/22 9:05 am Kathy Martensen (kmartens):
   Approved for Provost

History

1. Jan 29, 2019 by Deb Forgacs
List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
Yes

Interdisciplinary Colleges and Departments (list other colleges/departments which are involved other than the sponsor chose above)
Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

College: Fine & Applied Arts
Department: Art and Design
Is there an additional department involved in governance?
No

Proposal Title
Effective Catalog: Fall 2022

Provide a brief, concise description (not justification) of your proposal.
Administrative approval to revise the BALAS in History of Art:
Curricula update to History of Art, BALAS

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?
HIST 472 course number was changed and approved to HIST 312 in Spring 2019.
Updating course options for the major.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?
No

Does the program include other courses/subjects impacted by the creation/revision of this program?
No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).
N/A

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study
All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs  Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of
courses students can select from to fulfill requirements, a listing
of these courses, including the course rubric, number, title, and
number of credit hours.

---

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

**General education:** Students must complete the [Campus General Education](#) requirements including the campus general education language requirement.

**Minimum required major and supporting course work:** Twelve (12) hours of 300- and 400-level courses in the major must be taken on this campus.

**Minimum hours required for graduation:** 120 hours.

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<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total required Core Hours</td>
<td>39</td>
</tr>
<tr>
<td>1 course in studio art, graphic design or industrial design</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>1 foundational gateway course at the 100-level:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ARTH 110 Introduction to the History of Art and Visual Culture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Three (3) Supporting Courses in the Humanities offered by LAS:</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>These courses must be approved by the Art History advisor and be outside the field of art history with the goal of enhancing the student’s understanding of the cultural context within which works of art and architecture have been created.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See list of Approved Supplemental Courses below

[Six (6) 200-400 level courses in Art History, offered in the School of Art & Design](https://example.com) | 18 |

(Though students must take a total of 6 courses, some may count toward the fulfillment of more than one area and period requirement. For instance, a course in 20th century African art could count as a class covering both Africa and the Middle East and material after 1700.)

Students must take at least one course in three of the following areas: 1) Africa and the Middle East; 2) Asia; 3) the Americas; 4) Europe

At least one course must cover material before 1700

At least one course must cover material after 1700

With an advisor’s approval, up to 6 credit hours of courses in the history of architecture or landscape architecture at the 200-400 level may be taken towards the fulfillment of these required hours

(Though students must take a total of 6 courses, some may count toward the fulfillment of more than one area and period requirement. For instance, a course in 20th century African art could count as a class covering both Africa and the Middle East and material after 1700.)

Two (2) seminars in Art History at the 400-level | 6 |

Courses must be designated as art history seminars (not all 400-level courses have this designation), or be approved as a seminar by the undergraduate advisor

See approved list below
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRO 212</td>
<td>Intro African American Theat</td>
<td>3</td>
</tr>
<tr>
<td>AFRO 227</td>
<td>Studies in Black Television</td>
<td>3</td>
</tr>
<tr>
<td>AFRO 228</td>
<td>Hip Hop Music: History and Culture</td>
<td>3</td>
</tr>
<tr>
<td>AFRO 243</td>
<td>Pan Africanism</td>
<td>3</td>
</tr>
<tr>
<td>AFRO 259</td>
<td>Early African American Literature and Culture</td>
<td>3</td>
</tr>
<tr>
<td>or AFRO 260</td>
<td>Modern African American Literature and Culture</td>
<td>3</td>
</tr>
<tr>
<td>AFRO/ENGL 272</td>
<td>Minority Images in Amer Film</td>
<td>3</td>
</tr>
<tr>
<td>AFRO 382</td>
<td>African Amer Families in Film</td>
<td>3</td>
</tr>
<tr>
<td>AFRO 400</td>
<td>African Diasporic Thought in the Caribbean</td>
<td>3 or 4</td>
</tr>
<tr>
<td>AFST 222</td>
<td>Introduction to Modern Africa</td>
<td>3</td>
</tr>
<tr>
<td>AFST 266</td>
<td>African Film and Society</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 224</td>
<td>Tourist Cities and Sites</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 250</td>
<td>The World Through Museums</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 364</td>
<td>Performing &quot;America&quot;</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 462</td>
<td>Museum Theory and Practice</td>
<td>3 or 4</td>
</tr>
<tr>
<td>AAS 200</td>
<td>U.S. Race and Empire</td>
<td>3</td>
</tr>
<tr>
<td>AAS 211</td>
<td>Asian Americans and the Arts</td>
<td>3</td>
</tr>
<tr>
<td>AAS 246</td>
<td>Asian American Youth in Film</td>
<td>3</td>
</tr>
<tr>
<td>AAS/GWS 275</td>
<td>The Politics of Fashion</td>
<td>3</td>
</tr>
<tr>
<td>AAS 300/GWS 305/LLS 305</td>
<td>Theories of Race, Gender, and Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>AAS/GWS 315</td>
<td>War, Memory, and Cinema</td>
<td>3</td>
</tr>
<tr>
<td>CLCV 206</td>
<td>Classical Allusions in Cinema</td>
<td>3</td>
</tr>
<tr>
<td>CLCV 240</td>
<td>Gender &amp; Sexuality in Greco-Roman Antiquity</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 202</td>
<td>Medieval Literature and Culture</td>
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</tr>
<tr>
<td>ENGL 204</td>
<td>Renaissance Literature and Culture</td>
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<tr>
<td>ENGL 206</td>
<td>Enlightenment Literature and Culture</td>
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<tr>
<td>ENGL 207</td>
<td>Romantic Literature and Culture</td>
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<tr>
<td>ENGL 208</td>
<td>Victorian Literature and Culture</td>
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</tr>
<tr>
<td>ENGL 209</td>
<td>Early British Literature and Culture</td>
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<tr>
<td>or ENGL 210</td>
<td>Modern British Literature and Culture</td>
<td>3</td>
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<tr>
<td>ENGL 211/AFST 210/CWL 210</td>
<td>Introduction to Modern African Literature</td>
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<td>ENGL 213</td>
<td>Modernist Literature and Culture</td>
<td>3</td>
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<tr>
<td>ENGL 224/LLS 240/SPAN 240</td>
<td>Latina/o Popular Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 253</td>
<td>Topics in Literature and New Media</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 255</td>
<td>Early American Literature and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 273</td>
<td>American Cinema, 1950-2000</td>
<td>3</td>
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<tr>
<td>ENGL 285</td>
<td>Postcolonial Literature and New Media</td>
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<tr>
<td>HIST 200</td>
<td>Intro Hist Interpretation</td>
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<tr>
<td>HIST 202</td>
<td>American Environmental History</td>
<td>3</td>
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<tr>
<td>HIST 203</td>
<td>Reacting to the Past</td>
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<td>HIST 205</td>
<td>Lived Experience in Latin America</td>
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<tr>
<td>HIST 211</td>
<td>History of Southern Africa</td>
<td>3</td>
</tr>
<tr>
<td>HIST 212</td>
<td>History of Eastern Africa</td>
<td>3</td>
</tr>
<tr>
<td>HIST/EALC 220</td>
<td>Traditional China</td>
<td>3</td>
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<tr>
<td>HIST/EALC 221</td>
<td>Modern China</td>
<td>3</td>
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<tr>
<td>HIST/EALC 226</td>
<td>Premodern Japanese History</td>
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<tr>
<td>HIST/EALC 227</td>
<td>Modern Japanese History</td>
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<tr>
<td>Code</td>
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<tr>
<td>HIST 258</td>
<td>20thC World to Midcentury</td>
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<tr>
<td>HIST 259</td>
<td>20thC World from Midcentury</td>
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<td>HIST 260</td>
<td>History of Russia</td>
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<td>HIST 270</td>
<td>United States History to 1815</td>
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<td>HIST 271</td>
<td>Nineteenth Century America</td>
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<td>HIST 272</td>
<td>Twentieth Century America</td>
<td>3</td>
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<tr>
<td>HIST 274</td>
<td>US Foreign Relations Since 1917</td>
<td>3</td>
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<td>HIST/LLS 279</td>
<td>Mexican-American History</td>
<td>3</td>
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<td>HIST/AAS/AFRO/LLS 281</td>
<td>Constructing Race in America</td>
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<td>HIST/GWS 285</td>
<td>US Gender History to 1877</td>
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<td>HIST/GWS 286</td>
<td>US Gender History Since 1877</td>
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<td>HIST/GWS/AFRO 287</td>
<td>African-American Women</td>
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<td>HIST 310</td>
<td>Global Capitalism in History</td>
<td>3</td>
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<td>HIST 312</td>
<td>Immigrant America</td>
<td>3 or 4</td>
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<tr>
<td>HIST/MDVL/REL 345</td>
<td>Medieval Civilization</td>
<td>3</td>
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<td>HIST 347</td>
<td>Protestant &amp; Catholic Refs</td>
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<td>HIST 349</td>
<td>Age of Revolution, 1775-1815</td>
<td>3</td>
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<td>HIST 350</td>
<td>19thC Romanticism &amp; Politics</td>
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<td>HIST 352</td>
<td>Europe in the World</td>
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<td>HIST 354</td>
<td>Twentieth Century Europe</td>
<td>3</td>
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<tr>
<td>HIST 357</td>
<td>Modern France</td>
<td>3</td>
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<td>HIST 360</td>
<td>European Culture in a Global Context</td>
<td>3</td>
</tr>
<tr>
<td>HIST 370</td>
<td>Colonial America</td>
<td>3</td>
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<tr>
<td>HIST 373</td>
<td>Origins of the Civil War</td>
<td>3</td>
</tr>
<tr>
<td>HIST 374</td>
<td>Civil War and Reconstruction</td>
<td>3</td>
</tr>
<tr>
<td>HIST 375</td>
<td>Soc History Indus Am to 1918</td>
<td>3</td>
</tr>
<tr>
<td>HIST 376</td>
<td>Soc History Indus Am from 1918</td>
<td>3</td>
</tr>
<tr>
<td>HIST 379</td>
<td>Latina/os and the City</td>
<td>3</td>
</tr>
<tr>
<td>HIST 380</td>
<td>US in an Age of Empire</td>
<td>3</td>
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<tr>
<td>HIST/EALC 420</td>
<td>China Under the Qing Dynasty</td>
<td>2 to 4</td>
</tr>
<tr>
<td>HIST 425/CWL 478/EALC 476</td>
<td>Classical Chinese Thought</td>
<td>3 or 4</td>
</tr>
<tr>
<td>HIST/GWS 459</td>
<td>Postcolonial/Queer</td>
<td>3 or 4</td>
</tr>
<tr>
<td>HIST 462</td>
<td>Soviet Union Since 1917</td>
<td>2 to 4</td>
</tr>
<tr>
<td>HIST 472</td>
<td>History of the American West</td>
<td>3 or 4</td>
</tr>
<tr>
<td>ITAL 406</td>
<td>Italian Culture and Globalization</td>
<td>3 or 4</td>
</tr>
<tr>
<td>LLS/ANTH 259</td>
<td>Latina/o Anthropology</td>
<td>3</td>
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<tr>
<td>LLS/ENGL 458</td>
<td>Latina/o Performance</td>
<td>3 or 4</td>
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<tr>
<td>LLS 460/AAS 400</td>
<td>Critical Ethnic Studies</td>
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<tr>
<td>LLS 465</td>
<td>Race, Sex, and Deviance</td>
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<tr>
<td>LLS 473/ANTH 472</td>
<td>Immigration, Health &amp; Society</td>
<td>3 or 4</td>
</tr>
<tr>
<td>PHIL 411</td>
<td>Nineteenth Century Philosophy</td>
<td>3 or 4</td>
</tr>
<tr>
<td>PHIL 412</td>
<td>Classical Modern Philosophers</td>
<td>3 or 4</td>
</tr>
<tr>
<td>PHIL 414</td>
<td>Major Recent Philosophers</td>
<td>3 or 4</td>
</tr>
</tbody>
</table>
Corresponding Degree
BALAS Bachelor of Arts in Liberal Arts and Sciences

Program Features
Academic Level Undergraduate
Does this major have transcripted concentrations? No

What is the typical time to completion of this program? 4 years
What are the minimum Total Credit Hours required for this program? 120

CIP Code 500703 - Art History, Criticism and Conservation.

Is This a Teacher Certification Program? No
Will specialized accreditation be sought for this program? No

Delivery Method
This program is On Campus - Students are required to be on campus, they may take some online courses.

Admission Requirements
Desired Effective Admissions Term

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

Describe how critical academic functions such as admissions and student advising are managed.
Enrollment

Describe how this revision will impact enrollment and degrees awarded.
N/A

Estimated Annual Number of Degrees Awarded

<table>
<thead>
<tr>
<th>Year One Estimate</th>
<th>5th Year Estimate (or when fully implemented)</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the matriculation term for this program?</td>
<td>Fall</td>
</tr>
</tbody>
</table>

Budget

Are there budgetary implications for this revision?
No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?
No impact to unit

Will the unit need to seek campus or other external resources?
No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Are you seeking a change in the tuition rate or differential for this program?
No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?
No

Technology

Will the program need additional technology beyond what is currently available for the unit?
No
Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current collections and services are adequate for the proposed program

EP Documentation

EP Control Number
EP.22.068

Attach Rollback/Approval Notices

This proposal requires HLC inquiry

No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name
BALAS:History of Art

Program Code:
10KV0150BALA

Minor Code
Conc Code
Degree Code
Major Code
0150
<table>
<thead>
<tr>
<th>Program Reviewer</th>
<th>Deb Forgacs (dforgacs) (01/06/22 3:59 pm)</th>
<th>Rollback: requested.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Deb Forgacs (dforgacs) (01/07/22 11:34 am)</td>
<td>Rollback: requested.</td>
</tr>
<tr>
<td></td>
<td>Kathy Martensen (kmartens) (01/18/22 8:59 am)</td>
<td>Administrative approval: Doesn't change total hours or restrict student choice.</td>
</tr>
</tbody>
</table>
Program Change Request

In Workflow
1. U Program Review
2. 1973 Head
3. KP Committee Chair
4. KP Dean
5. University Librarian
6. Provost
7. Senate EPC
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path
1. 12/10/21 9:36 am
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 12/10/21 9:44 am
   Rizwan Uddin (rizwan):
   Approved for 1973 Head
3. 01/11/22 1:06 pm
   Brooke Newell (bsnewell):
   Approved for KP Committee Chair
4. 01/11/22 1:17 pm
   Candy Deaville (candyd):
   Approved for KP Dean
5. 01/11/22 1:49 pm
   John Wilkin (jpwilkin):
   Approved for

Date Submitted: 12/09/21 9:40 am

Viewing: 3913 : Nuclear, Plasma, and Radiological Engineering: Power, Safety & Environment, BS

Last approved: 11/17/21 10:31 am
Last edit: 01/18/22 9:13 am
Changes proposed by: Becky Meline

Catalog Pages
Using this Program

Proposal Type:

Nuclear, Plasma, and Radiological Engineering: Power, Safety & Environment, BS

EP.22.068
Admin Approval #B13
Concentration (ex. Dietetics)

This proposal is for a:

Revision

Administration Details

Official Program  Nuclear, Plasma, and Radiological Engineering:
Name  Power, Safety & Environment, BS
Sponsor College  Grainger College of Engineering
Sponsor  Nuclear, Plasma & Rad Engr
Department
Sponsor Name  Tomasz Kozlowski
Sponsor Email  txk@illinois.edu
College Contact  Brooke Newell
College Contact Email  bsnewell@illinois.edu

College Budget Officer

College Budget  Tessa Hile
College Budget Officer Email  tmhile@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?

No

Proposal Title
Administrative approval to revise the concentration in Power, Safety & Environment in the BS in NPRE:

1) Revise description in technical elective section to clarify intent.

2) Add NPRE 413 to the list of options in the technical electives.

3) Cleaned up some typos, duplication of course titles in comments, and no longer needed footnotes (NPRE 199, NPRE 430, NPRE 481).

4) STAT 400 moved to a different sub-section of Technical Electives list.

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

See NPRE BS key 123

Program Justification

Why are these changes necessary?

1) Rewording clarifies the intent of technical elective requirements.

   a) Assumed in the original wording was that courses are typically offered for 3 hours and so taking 2 courses would meet the 6 hour requirement. The new wording accounts for the possibility of courses taken that are offered for a more atypical number of credit hours, so long as they add up to the minimum 6 hours required.

   b) The new wording takes into account that students may take greater than 6 hours from the NPRE Power Concentration Electives list and have it apply towards the overall 15 hours required technical electives. This is the current practice in NPRE, however the way it is listed in the POS is often a source of confusion to students.

2) NPRE 413 is a recently approved course. When the original proposal for the program change was submitted, it was being offered as a 498 and still being reviewed. It is an appropriate course to add to the list.

3) Cleaned up typos, duplications, and footnotes for clarity.

4) STAT 400 was moved to a different sub-section of Technical Electives list because it fits more appropriately in with the CSE grouping.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a
Does the program include other courses/subjects impacted by the creation/revision of this program? 

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

See NPRE BS key 123.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs  
NPRE Power, Safety and Environment BS side by side.xlsx

Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Course</td>
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</tr>
<tr>
<td>NPRE 432</td>
<td>Nuclear Engrg Materials Lab</td>
<td>2</td>
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<tr>
<td>Technical electives broken down as follows:</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td></td>
<td>Technical Electives</td>
<td>15</td>
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<tr>
<td></td>
<td>From Departmentally Approved List of Technical Electives - students are to take at least 6 hours from the NPRE Power Concentration Electives list. The remaining hours may be taken from any course on the Technical Electives list. The student is to confer with their academic adviser on a chosen course set to ensure that a strong program is achieved.</td>
<td></td>
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<tr>
<td>NPRE 412</td>
<td>Nuclear Power Econ &amp; Fuel Mgmt</td>
<td>3 or 4</td>
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<tr>
<td>NPRE 413</td>
<td><strong>Nuclear Separations and Fuel Reprocessing</strong></td>
<td>2 or 3</td>
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<td>NPRE 430</td>
<td>Advanced Materials in Nuclear Engineering</td>
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<td>NPRE 442</td>
<td>Radioactive Waste Management</td>
<td>3</td>
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<td>NPRE 457</td>
<td>Safety Anlys Nucl Reactor Syst</td>
<td>3 or 4</td>
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<tr>
<td>NPRE 461</td>
<td>Probabilistic Risk Assessment</td>
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<td>NPRE 480</td>
<td>Energy and Security</td>
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<td>NPRE 498</td>
<td>Special Topics</td>
<td>1 to 4</td>
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<td></td>
<td>Other Technical Electives</td>
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<td>NPRE 199</td>
<td>Undergraduate Open Seminar (May be repeated in separate terms to a maximum of 2 times.)</td>
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<td>NPRE 201</td>
<td>Energy Systems</td>
<td>2 or 3</td>
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<td>NPRE 398</td>
<td>Special Topics</td>
<td>1 to 4</td>
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<td>NPRE 470</td>
<td>Fuel Cells &amp; Hydrogen Sources</td>
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<td>NPRE 475</td>
<td>Wind Power Systems</td>
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<td>NPRE 481</td>
<td>Writing on Technol &amp; Security</td>
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<td>NPRE 483</td>
<td>Seminar on Security</td>
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<td>Thermal Sciences</td>
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<tr>
<td>ME 320</td>
<td>Heat Transfer</td>
<td>4</td>
</tr>
<tr>
<td>ME 400</td>
<td>Energy Conversion Systems</td>
<td>3 or 4</td>
</tr>
<tr>
<td>ME 402</td>
<td>Design of Thermal Systems</td>
<td>3 or 4</td>
</tr>
<tr>
<td>ME 404</td>
<td>Intermediate Thermodynamics</td>
<td>4</td>
</tr>
<tr>
<td>ME 410</td>
<td>Intermediate Gas Dynamics</td>
<td>3 or 4</td>
</tr>
<tr>
<td>ME 411</td>
<td>Viscous Flow &amp; Heat Transfer</td>
<td>4</td>
</tr>
<tr>
<td>ME 420</td>
<td>Intermediate Heat Transfer</td>
<td>4</td>
</tr>
</tbody>
</table>
Program Relationships

Corresponding Program(s):

<table>
<thead>
<tr>
<th>Corresponding Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuclear, Plasma, and Radiological Engineering, BS</td>
</tr>
</tbody>
</table>

Program Features

Academic Level: Undergraduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?
Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is available:
- On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

Revision will not impact enrollment nor degrees awarded.

Budget

Are there budgetary implications for this revision?

- No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

- No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?

- No

Attach letters of support

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?
Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

These changes will not impact our faculty resources.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

There is no impact to the use of the Library collections, resources, and services.

EP Documentation

EP Control Number

EP.22.068

Attach Rollback/Approval Notices

This proposal requires HLC inquiry

No

DMI Documentation

Attach Final Approval Notices
<table>
<thead>
<tr>
<th>Program Reviewer</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deb Forgacs (dforgacs) (12/08/21 9:34 am)</td>
<td>Rollback: requested.</td>
</tr>
<tr>
<td>Kathy Martensen (kmartens) (01/18/22 9:12 am)</td>
<td>Administrative approval: Doesn't change total hours or restrict student choice.</td>
</tr>
</tbody>
</table>
Current Program of Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRE 430</td>
<td>Advanced Materials in Nuclear Engineering</td>
<td>3</td>
</tr>
<tr>
<td>NPRE 412</td>
<td>Nuclear Power Econ &amp; Fuel Mgmt</td>
<td>3 or 4</td>
</tr>
<tr>
<td>NPRE 398</td>
<td>Special Topics</td>
<td>1 to 4</td>
</tr>
<tr>
<td>ECE 310</td>
<td>Digital Signal Processing</td>
<td>3</td>
</tr>
<tr>
<td>ECE 476</td>
<td>Power System Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CEE 330</td>
<td>Power Grid Analysis</td>
<td>3</td>
</tr>
<tr>
<td>TAM 251</td>
<td>Introductory Solid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>TAM 232</td>
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<td>3</td>
</tr>
<tr>
<td>TAM 424</td>
<td>Mechanics of Structural Metals</td>
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<td>Continuum Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>TAM 456</td>
<td>Experimental Stress Analysis</td>
<td>3</td>
</tr>
<tr>
<td>TAM 435</td>
<td>Intermediate Fluid Mechanics</td>
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<td>Numerical Methods</td>
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</tbody>
</table>

Select 2 courses from the following list:

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</thead>
<tbody>
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<td>Advanced Materials in Nuclear Engineering</td>
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</tr>
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<td>TAM 450</td>
<td>Intermediate Solid Mechanics</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 9 credit hours of technical electives from list below. Technical electives selected from departmentally approved Power, Safety, and the Environment elective course work in Computational Sciences and Engineering; Fluid and Continuum Mechanics; Computational Sciences and Engineering; Environmental Engineering and Science. The student’s academic advisor must approve the chosen course set to ensure that a strong program is achieved.

Other Technical Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRE 480</td>
<td>Energy and Safety</td>
<td>3</td>
</tr>
<tr>
<td>NPRE 498</td>
<td>Special Topics</td>
<td>1 to 4</td>
</tr>
<tr>
<td>NPRE 475</td>
<td>Wind Power Systems</td>
<td>3 or 4</td>
</tr>
<tr>
<td>NPRE 330</td>
<td>Nuclear Separations and Fuel Reprocessing</td>
<td>3 or 4</td>
</tr>
<tr>
<td>NPRE 413</td>
<td>Nuclear Power Econ &amp; Fuel Mgmt</td>
<td>3 or 4</td>
</tr>
<tr>
<td>NPRE 424</td>
<td>Radiative Waste Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Technical Electives

From Departmentally Approved List of Technical Electives – students are to take at least 6 hours from the NPRE Power Concentration Electives list. The remaining hours may be taken from any course on the Technical Electives list. The student is to consult with their academic advisor on a chosen course set to ensure that a strong program is achieved.

New Program of Study

Required Courses

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</tr>
</thead>
<tbody>
<tr>
<td>NPRE 432</td>
<td>Nuclear Energy Materials Lab</td>
<td>2</td>
</tr>
<tr>
<td>NPRE 430</td>
<td>Advanced Materials in Nuclear Engineering</td>
<td>3</td>
</tr>
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<td>CEE 410</td>
<td>Systems Engy &amp; Economics</td>
<td>3</td>
</tr>
<tr>
<td>CEE 330</td>
<td>Environmental Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CEE 427</td>
<td>Water Quality Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CEE 445</td>
<td>Env Eng Principles, Chemical</td>
<td>3 or 4</td>
</tr>
<tr>
<td>CEE 444</td>
<td>Env Eng Principles, Biological</td>
<td>3 or 4</td>
</tr>
<tr>
<td>CEE 410</td>
<td>Air Quality Engineering</td>
<td>4</td>
</tr>
<tr>
<td>CEE 447</td>
<td>Atmospheric Chemistry</td>
<td>4</td>
</tr>
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Program Change Request

Date Submitted: 12/08/21 1:04 pm

Viewing: **3914 : Nuclear, Plasma, and Radiological Engineering: Plasma & Fusion Science & Engineering, BS**

Last approved: 12/03/21 11:23 am

Last edit: 01/18/22 9:22 am

Changes proposed by: Becky Meline

Catalog Pages
Using this Program

Proposal Type:

Nuclear, Plasma, and Radiological Engineering: Plasma & Fusion Science & Engineering, BS

Approval Path

1. 12/08/21 2:53 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review

2. 12/08/21 3:16 pm
   Rizwan Uddin (rizwan):
   Approved for 1973 Head

3. 01/11/22 1:06 pm
   Brooke Newell (bsnewell):
   Approved for KP Committee Chair

4. 01/11/22 1:17 pm
   Candy Deaville (candyd):
   Approved for KP Dean

5. 01/11/22 1:50 pm
   John Wilkin (jpwilkin):
   Approved for
Concentration (ex. Dietetics)

This proposal is for:

Revision

Administration Details

Official Program: Nuclear, Plasma, and Radiological Engineering:
Name: Plasma & Fusion Science & Engineering, BS
Sponsor College: Grainger College of Engineering
Sponsor: Nuclear, Plasma & Rad Engr
Department
Sponsor Name: Tomasz Kozlwsoki
Sponsor Email: txk@illinois.edu
College Contact: Brooke Newell
College Contact Email: bsnewell@illinois.edu

College Budget Officer
College Budget Officer Email: Tessa Hile
tmhile@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
Proposal Title
Effective Catalog  Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the Plasma & Fusion Science & Engineering concentration within the BS in NPRE:

Revised course table for clarity.

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

See NPRE key 123

Program Justification

Why are these changes necessary?

   Revised course table for clarity and for consistency with the other two concentrations.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

   No

Does the program include other courses/subjects impacted by the creation/revision of this program?

   No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

   NA

Is the career/profession for graduates of this program regulated by the State of Illinois?

   No

Program of Study

*Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60
quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs  

NPRE Plasma and Fusion Science and Engineering BS side by side.xlsx

Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NPRE 421</td>
<td>Plasma and Fusion Science</td>
<td>3</td>
</tr>
<tr>
<td>NPRE 423</td>
<td>Plasma Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>NPRE 429</td>
<td>Plasma Engineering</td>
<td>3</td>
</tr>
<tr>
<td><strong>Technical Electives</strong></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>From Departmentally Approved List of Technical Electives - students are to take at least 9 hours. This includes technical electives from NPRE or from other departments in the subfields Physical Science, Electrical Engineering, or Electronic Materials. The student is to confer with their academic adviser on a chosen course set to ensure that a strong program is achieved.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Common Engineering and Technical Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NPRE 199</td>
<td>Undergraduate Open Seminar (May be repeated in separate terms to a maximum of 2 times.)</td>
<td>1</td>
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<tr>
<td>NPRE 201</td>
<td>Energy Systems</td>
<td>2 or 3</td>
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<tr>
<td>NPRE 398</td>
<td>Special Topics</td>
<td>1 to 4</td>
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<td>NPRE 461</td>
<td>Probabilistic Risk Assessment</td>
<td>3 or 4</td>
</tr>
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<td>NPRE 470</td>
<td>Fuel Cells &amp; Hydrogen Sources</td>
<td>3</td>
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<tr>
<td>NPRE 481</td>
<td>Writing on Technol &amp; Security</td>
<td>3 or 4</td>
</tr>
<tr>
<td>NPRE 498</td>
<td>Special Topics</td>
<td>1 to 4</td>
</tr>
<tr>
<td>STAT 400</td>
<td>Statistics and Probability I</td>
<td>4</td>
</tr>
</tbody>
</table>

```
Program Relationships

Corresponding Program(s):

- Nuclear, Plasma, and Radiological Engineering, BS

Program Features

- Academic Level: Undergraduate
- Is This a Teacher Certification Program?: No
- Will specialized accreditation be sought for this program?: No
- Additional concentration notes (e.g., estimated enrollment, advising plans, etc.):

Delivery Method

- This program is available:
  - On Campus - Students are required to be on campus, they may take some online courses.

Enrollment
Describe how this revision will impact enrollment and degrees awarded.

Will not impact enrollment nor degrees awarded.

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Financial Resources

How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No
Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

These changes will not impact our faculty resources.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

There is no impact to the use of the Library collections resources, and services.

EP Documentation

EP Control Number
EP.22.068

Attach Rollback/Approval Notices
This proposal requires HLC inquiry
No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name
Plasma and Fusion Science and Engineering

Program Code: 3914

Minor Code 5183

Degree Code BS

Major Code

Senate Approval Date

Senate Conference Approval Date
Administrative approval: Doesn’t change total hours or restrict student choice.
### Current Program of Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>NPRE 421</td>
<td>Plasma and Fusion Science</td>
<td>3</td>
</tr>
<tr>
<td>NPRE 423</td>
<td>Plasma Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>NPRE 429</td>
<td>Plasma Engineering</td>
<td>3</td>
</tr>
<tr>
<td>NPRE 431</td>
<td>Plasma and Fusion Science</td>
<td>3</td>
</tr>
<tr>
<td>NPRE 432</td>
<td>Plasma Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>NPRE 439</td>
<td>Plasma Engineering</td>
<td>3</td>
</tr>
</tbody>
</table>

Remaining 9 credit hours of technical electives selected from departmentally approved Plasma and Fusion Science and Engineering elective courses. The student's academic advisor must approve the chosen courses to ensure that a strong program is achieved.

### New Program of Study

<table>
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### Technical Electives

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<td>3</td>
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<td>NPRE 423</td>
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<td>NPRE 431</td>
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<td>NPRE 439</td>
<td>Plasma Engineering</td>
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</table>

### Common Engineering and Technical Electives

- NPRE 199 Undergraduate Open Seminar
- NPRE 201 Energy Systems
- NPRE 398 Special Topics
- NPRE 470 Writing on Technol & Security
- NPRE 498 Special Topics
- STAT 400 Statistics and Probability I
- NPRE 461 Probabilistic Risk Assessment
- NPRE 470 Fuel Cells & Hydrogen Sources
- NPRE 481 Writing on Technol & Security
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- NPRE 481 Writing on Technol & Security
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### Physical Science Electives

- CHEM 104 General Chemistry II
- CHEM 105 General Chemistry Lab II
- PHYS 315 Electromagnetic Fields I
- PHYS 316 Electromagnetic Fields II
- PHYS 415 Condensed Matter Physics

### Electrical Engineering Electives

- ECE 329 Fields and Waves I
- ECE 340 Statics and Electronics
- ECE 441 Physics of Modeling Semiconductors
- ECE 444 IC Device Theory & Fabrication
- ECE 445 IC Device Theory & Fabrication

### Electronic Materials Electives

- MSE 304 Electronic Properties of Materials
- MSE 403 Synthesis of Materials
- MSE 404 Electronic Materials
- MSE 405 Electronic Materials

- GREEN HIGHLIGHT = Course addition, requirement replacement or updated hours
- RED HIGHLIGHT = Course to be removed from listed requirements
- YELLOW HIGHLIGHT = Revision to requirement
Program Change Request

Date Submitted: 12/09/21 9:46 am

Viewing: **3915 : Nuclear, Plasma, & Radiological Engineering: Radiological, Medical & Instrumentation Applications, BS**

Last approved: 12/03/21 11:25 am

Last edit: 01/18/22 9:26 am

Changes proposed by: Becky Meline

Catalog Pages Using this Program

**Nuclear, Plasma, and Radiological Engineering: Radiological, Medical & Instrumentation Applications, BS**

Proposal Type:

**Nuclear, Plasma, and Radiological Engineering: Radiological, Medical & Instrumentation Applications, BS**

Approval Path

1. 12/10/21 9:37 am
   Deb Forgacs (dforgacs):
   Approved for U Program Review

2. 12/10/21 9:44 am
   Rizwan Uddin (rizwan):
   Approved for 1973 Head

3. 01/11/22 1:06 pm
   Brooke Newell (bsnewell):
   Approved for KP Committee Chair

4. 01/11/22 1:17 pm
   Candy Deaville (candyd):
   Approved for KP Dean

5. 01/11/22 1:50 pm
   John Wilkin (jpwilkin):
   Approved for
Concentration (ex. Dietetics)

This proposal is for a:
Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program</th>
<th>Nuclear, Plasma, &amp; Radiological Engineering: Radiological, Medical &amp; Instrumentation Applications, BS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
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<tr>
<td>Sponsor College</td>
<td>Grainger College of Engineering</td>
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<td>Sponsor</td>
<td>Nuclear, Plasma &amp; Rad Engr</td>
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<tr>
<td>Department</td>
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</tr>
<tr>
<td>Sponsor Name</td>
<td>Tomasz Kozlwsoki</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:txk@illinois.edu">txk@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Brooke Newell</td>
</tr>
<tr>
<td>College Contact</td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:bsnewell@illinois.edu">bsnewell@illinois.edu</a></td>
</tr>
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<td>College Budget Officer</td>
<td></td>
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<tr>
<td>Email</td>
<td>Tessa Hile</td>
</tr>
<tr>
<td>College Budget Officer Email</td>
<td></td>
</tr>
</tbody>
</table>

Tessa Hile

tmhile@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.
Proposal Title

Effective Catalog  Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the Radiological, Medical & Instrumentation Applications concentration in the BS in NPRE:

Revised course table for clarity. Removed two courses from tech electives list. Removed a course from a sub-section.

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

See NPRE key 123.

Program Justification

Why are these changes necessary?

Revised course table for clarity and for consistency with the other two concentrations.

Removal of two courses from the tech electives list and remove unnecessary duplication: ME 310 was previously a technical elective for students in this concentration, but is now a required course for all NPRE students, therefore it needs to be removed from the tech elective list for radiological. NPRE 421 is no longer a relevant elective.

Removal of BIOE 120 from course list of Technical Electives as it was an unnecessary duplication and more relevant in other sub-sections.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment
Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

NA

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs

NPRE Radiological, Medical & Instrumentation Applications BS side by side.xlsx

Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRE 435</td>
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<td>3</td>
</tr>
<tr>
<td>NPRE 452</td>
<td>Advanced Radiological Science Lab</td>
<td>2</td>
</tr>
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<td>CHEM 104</td>
<td>General Chemistry II</td>
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<td>CHEM 105</td>
<td>General Chemistry Lab II</td>
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</tr>
<tr>
<td>CHEM 105</td>
<td>General Chemistry Lab II</td>
<td>1</td>
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</table>

From Departmentally Approved List of Technical Electives - students are to take at least 12 hours. This includes technical electives from NPRE or from other departments in the subfields Biomolecular Engineering and Biomedical Engineering. The student is to confer with their academic adviser on a chosen course set to ensure that a strong program is achieved.

Common Engineering and Technical Electives
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHEM 232</td>
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<td>3 or</td>
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<td></td>
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<td>4</td>
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<tr>
<td>CHEM 233</td>
<td>Elementary Organic Chem Lab I</td>
<td>2</td>
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<tr>
<td>IB 150</td>
<td>Organismal &amp; Evolutionary Biol</td>
<td>4</td>
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<td>IB 151</td>
<td>Organismal &amp; Evol Biol Lab</td>
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<td>ME 310</td>
<td>Fundamentals of Fluid Dynamics</td>
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<td>MCB 150</td>
<td>Molec &amp; Cellular Basis of Life</td>
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<td>MCB 151</td>
<td>Molec &amp; Cellular Laboratory</td>
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<td>NPRE 199</td>
<td>Undergraduate Open Seminar</td>
<td>1</td>
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<tr>
<td></td>
<td>(May be repeated in separate terms to a maximum</td>
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<tr>
<td></td>
<td>of 2 times.)</td>
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<tr>
<td>NPRE 201</td>
<td>Energy Systems</td>
<td>2 or</td>
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<tr>
<td></td>
<td></td>
<td>3</td>
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<tr>
<td>NPRE 398</td>
<td>Special Topics</td>
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</tr>
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<td></td>
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<td>1 to</td>
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<td></td>
<td></td>
<td>4</td>
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<td>NPRE 421</td>
<td>Plasma and Fusion Science</td>
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<td>4</td>
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<td>NPRE 481</td>
<td>Writing on Technol &amp; Security</td>
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<td>NPRE 498</td>
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<td>STAT 400</td>
<td>Statistics and Probability I</td>
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<tr>
<td>Biomolecular Engineering Electives</td>
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<tr>
<td>BIOE 120</td>
<td>Introduction to Bioengineering</td>
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<td>BIOE 414</td>
<td>Biomedical Instrumentation</td>
<td>3-4</td>
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<td>or CHBE 472</td>
<td>Techniques in Biomolecular Eng</td>
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<tr>
<td>CHEM 232</td>
<td>Elementary Organic Chemistry I</td>
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<td>MCB 450</td>
<td>Introductory Biochemistry</td>
<td>3</td>
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<tr>
<td>MCB 401</td>
<td>Cellular Physiology</td>
<td>3</td>
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<tr>
<td>or BIOP 401</td>
<td>Introduction to Biophysics</td>
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<tr>
<td>MCB 403</td>
<td>Cell &amp; Membrane Physiology Lab</td>
<td>1 or</td>
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<td>BIOE 415</td>
<td>Biomedical Instrumentation Lab</td>
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<tr>
<td>ECE 480</td>
<td>Magnetic Resonance Imaging</td>
<td>3 or</td>
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<td>MCB 250</td>
<td>Molecular Genetics</td>
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<td>MCB 252</td>
<td>Cells, Tissues &amp; Development</td>
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Program Relationships

Corresponding Program(s):

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<td>MCB 402</td>
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<td>Cell &amp; Membrane Physiology Lab</td>
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<tr>
<td>MCB 404</td>
<td>Sys &amp; Integrative Physiol Lab</td>
<td>1 to 2</td>
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</table>

Program Features

Academic Level: Undergraduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

Revision will not impact enrollment nor degrees awarded.

Budget

Are there budgetary implications for

No
this revision?
Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
   No

Additional Budget Information
Attach File(s)

Financial Resources
How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?
   No

Attach letters of support

Resource Implications

Facilities
Will the program require new or additional facilities or significant improvements to already existing facilities?
   No

Technology
Will the program need additional technology beyond what is currently available for the unit?
   No

Non-Technical Resources
Will the program require additional supplies, services or equipment (non-technical)?
   No

Resources
For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

   Attach File(s)

Faculty Resources
Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

These changes will not impact our faculty resources.

**Library Resources**

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

There is no impact to the use of the Library collections, resources, and services.

**EP Documentation**

<table>
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<th>EP Control Number</th>
<th>EP.22.068</th>
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<tr>
<td>Attach Rollback/Approval Notices</td>
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<td>This proposal requires HLC inquiry</td>
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**DMI Documentation**

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<th>Radiological, Medical, and Instrumental Applications</th>
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<td>Banner/Codebook Name</td>
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<td>BOT Approval Date</td>
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<tr>
<td>IBHE Approval Date</td>
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<td>HLC Approval Date</td>
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</table>
Brooke Newell (bsnewell) (12/08/21 3:46 pm): Rollback: See email

Kathy Martensen (kmartens) (01/18/22 9:25 am): Administrative approval: Does not change total hours required or restrict student choice.

Key: 1112
## Current Program of Study

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**Required Courses**

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**Technical Electives**

From the Departmentally Approved List of Technical Electives - students are to take at least 12 hours. This includes technical electives from their academic advisor on a course-by-course basis to ensure that a strong program is achieved.

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<td>Elementary Organic Chemistry I</td>
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</tr>
<tr>
<td>CHEM 233</td>
<td>Elementary Organic Chem Lab I</td>
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**Biomolecular Engineering Electives**

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**Biomedical Engineering Electives**

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<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Introduction to Bioengineering</td>
<td>1</td>
</tr>
<tr>
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<td>Elementary Organic Chemistry I</td>
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</tr>
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<td>4</td>
</tr>
<tr>
<td>MCB 151</td>
<td>Molec &amp; Cellular Lab</td>
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</tr>
<tr>
<td>MCB 153</td>
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</tr>
<tr>
<td>NPRE 398</td>
<td>Special Topics</td>
<td>1-4</td>
</tr>
</tbody>
</table>

**Additional Notes**

- Remaining 12 credit hours from the Technical electives on the Departmentally approved Biological, Medical, and Instrumentation Engineering, Biomedical Engineering, and Instrumentation Electives. The student is to confer with their academic advisor on a course-by-course basis to ensure that a strong program is achieved.

## New Program of Study

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPRE 435</td>
<td>Radiological Imaging</td>
<td>3</td>
</tr>
<tr>
<td>NPRE 452</td>
<td>Advanced Radiological Science Lab</td>
<td>2</td>
</tr>
</tbody>
</table>

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>NPRE 435</td>
<td>Radiological Imaging</td>
<td>3</td>
</tr>
<tr>
<td>NPRE 452</td>
<td>Advanced Radiological Science Lab</td>
<td>2</td>
</tr>
</tbody>
</table>

**Technical Electives**

From the Departmentally Approved List of Technical Electives - students are to take at least 12 hours. This includes technical electives from their academic advisor on a course-by-course basis to ensure that a strong program is achieved.

**Common Engineering and Technical Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOE 120</td>
<td>Introduction to Bioengineering</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 104</td>
<td>General Chemistry II</td>
<td>3</td>
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<tr>
<td>CHEM 105</td>
<td>General Chemistry Lab II</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 232</td>
<td>Elementary Organic Chemistry I</td>
<td>3-4</td>
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<tr>
<td>CHEM 233</td>
<td>Elementary Organic Chem Lab I</td>
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<tr>
<td>ECE 380</td>
<td>Biomedical Imaging</td>
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<tr>
<td>NPRE 199</td>
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<td>Special Topics</td>
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</tr>
<tr>
<td>NPRE 421</td>
<td>Plasma and Fusion Science</td>
<td>3</td>
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<td>NPRE 461</td>
<td>Probabilistic Risk Assessment</td>
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<tr>
<td>NPRE 481</td>
<td>Writing on Technology &amp; Security</td>
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<td>STAT 400</td>
<td>Statistics and Probability I</td>
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<tr>
<td>STEM 105</td>
<td>General Chemistry Lab II</td>
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<td>STEM 213</td>
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<td>ECE 480</td>
<td>Magnetic Resonance Imaging</td>
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<td>ECE 481</td>
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<tr>
<td>IB 150</td>
<td>Organizational Evolution</td>
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<td>IB 151</td>
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Program Change Request

Date Submitted: 01/11/22 10:58 am

Viewing: 10KLO051BS : Natural Resources & Environmental Sciences, BS

Last approved: 08/08/20 9:30 am

Last edit: 01/18/22 3:23 pm

Changes proposed by: Brianna Gregg

Catalog Pages Using this Program

- Natural Resources & Environmental Sciences: Human Dimensions of the Environment, BS
- Natural Resources & Environmental Sciences: Fish, Wildlife & Conservation Biology, BS
- Natural Resources & Environmental Sciences: Environmental Science & Management, BS
- Natural Resources & Environmental Sciences: Ecosystem Stewardship & Restoration Ecology, BS

Proposal Type:

In Workflow

1. U Program Review
2. 1875 Committee Chair
3. 1875 Head
4. KL Committee Chair
5. KL Dean
6. University Librarian
7. Provost
8. Senate EPC
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 01/12/22 2:14 pm Deb Forgacs (dforgacs): Approved for U Program Review
2. 01/12/22 3:09 pm James Miller (jrmillr): Approved for 1875 Committee Chair
3. 01/12/22 3:50 pm Robert Schooley (schooley): Approved for 1875 Head
4. 01/13/22 9:04 am Brianna Gregg (bjgray2): Approved for KL Committee Chair
5. 01/18/22 12:25 pm
Major (ex. Special Education)

This proposal is for a:
  Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Natural Resources &amp; Environmental Sciences, BS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor College</td>
<td>Agr, Consumer, &amp; Env Sciences</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>Natural Res &amp; Env Science</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Jim Miller, Professor and Chair of the NRES Courses and Curriculum Committee</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:jrmillr@illinois.edu">jrmillr@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Tony Yannarell, Associate Professor and Chair of the ACES Courses and Curriculum</td>
</tr>
</tbody>
</table>
Committee: acyann@illinois.edu

College Budget Officer

College Budget Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
   No

### Proposal Title

<table>
<thead>
<tr>
<th>Effective Catalog</th>
<th>Fall 2022</th>
</tr>
</thead>
</table>

**Term**

Provide a brief, concise description (not justification) of your proposal.

- Administrative approval to revise the BS in NRES
- Curricula update: Geography & GIS rubric change

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

### Program Justification

**Why are these changes necessary?**

- Degree Requirements tables are being updated with new GGIS course rubric (previously GEOG)

### Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

   No

Does the program include other courses/subjects impacted by the creation/revision of this program?

   No

### Program Regulation and Assessment
Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

All subject areas/courses in the major have been selected because they specifically address the learning objectives of the major. We therefore intend to use student performance in these courses as benchmarks to ensure that students have achieved these educational goals. All courses in Natural Resources and Environmental Sciences regularly undergo peer-review assessments, and we will continue this practice for all courses in the major.

Is the career/profession for graduates of this program regulated by the State of Illinois?
No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs
Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

No changes

Statement for Programs of Study Catalog

Prescribed Courses including Campus General Education

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Composition I and Speech Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>RHET 105</td>
<td>Writing and Research and Public Speaking (or equivalent) (see College Composition I requirement)</td>
<td>6-7</td>
</tr>
<tr>
<td>&amp; CMN 101</td>
<td>and Oral &amp; Written Comm I</td>
<td></td>
</tr>
<tr>
<td>CMN 111</td>
<td>Oral &amp; Written Comm II</td>
<td></td>
</tr>
<tr>
<td>&amp; CMN 112</td>
<td>and Oral &amp; Written Comm II</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Advanced Composition Select from campus approved list</td>
<td>3-4</td>
</tr>
</tbody>
</table>
Cultural Studies
Select one course from Western culture, one from non-Western culture, and one from U.S. minority culture from campus approved lists.

Foreign Language
Coursework at or above the third level is required for graduation.

Quantitative Reasoning I
Select one of the following:
- MATH 220 Calculus
- MATH 221 Calculus I
- MATH 234 Calculus for Business I

Quantitative Reasoning II
Select one of the following:
- ACE 261 Applied Statistical Methods
- CPSC 241 Intro to Applied Statistics
- ECON 202 Economic Statistics I
- PSYC 235 Intro to Statistics
- SOC 280 Intro to Social Statistics
- STAT 100 Statistics

Natural Sciences and Technology
- CHEM 102 General Chemistry I
  & CHEM 103 and General Chemistry Lab I
- CHEM 104 General Chemistry II
  & CHEM 105 and General Chemistry Lab II
- IB 103 Introduction to Plant Biology

Select one of the following:
- IB 104 Animal Biology
  or IB 150 Organismal & Evolutionary Biol
  & IB 151 and Organismal & Evol Biol Lab

Select one of the following:
- GEOG 103 Earth's Physical Systems
- GGIS 103 Physical Geology
- PHYS 101 College Physics: Mech & Heat
- PHYS 211 University Physics: Mechanics
- MCB 100 Introductory Microbiology

Humanities and the Arts
Select from campus approved list.

Social and Behavioral Sciences
- ACE 100 Introduction to Applied Microeconomics
  or ECON 102 Microeconomic Principles

Select one additional course from campus approved list.

Natural Resources and Environmental Sciences Required (Core)
- NRES 102 Introduction to NRES
- NRES 201 Introductory Soils
- NRES 219 Applied Ecology
- NRES 287 Environment and Society
- NRES 325 Natural Resource Policy Mgmt
### Program Features

**Academic Level**
Undergraduate

**Does this major have transcripted concentrations?**
No

**What is the typical time to completion of this program?**
4 years

**What are the minimum Total Credit Hours required for this program?**
126

**CIP Code**
030104 - Environmental Science.

**Is This a Teacher Certification Program?**
No

**Will specialized accreditation be sought for this program?**
No

### Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.
Admission Requirements

Desired Effective
Admissions Term

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

There is no impact to the annual number of degrees awarded or enrollment.

Estimated Annual Number of Degrees Awarded

<table>
<thead>
<tr>
<th>Year One Estimate</th>
<th>5th Year Estimate (or when fully implemented)</th>
</tr>
</thead>
</table>

What is the matriculation term for this program?
Fall

Budget

Are there budgetary implications for this revision?
No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?
These changes only impact courses currently offered, so we do not anticipate any financial costs to this revision.
Will the unit need to seek campus or other external resources?  
No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g., Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Are you seeking a change in the tuition rate or differential for this program?  
No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?  
No

Technology

Will the program need additional technology beyond what is currently available for the unit?  
No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?  
No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.  
No impact on unit.

Library Resources
Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library. Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number EP.22.068
Attach Rollback/Approval Notices
This proposal requires HLC inquiry No

DMI Documentation

Attach Final Approval Notices
Banner/Codebook Name BS: NRES -UIUC
Program Code: 10KL0051BS
Minor Code 0051
Conc Code
Degree Code
BS Code
Major Code

Senate Approval Date
Senate Conference Approval Date
BOT Approval Date
IBHE Approval Date
HLC Approval Date
Effective Date:
Attached Document
Justification for this request

Program Reviewer Kathy Martensen (kmartens) (01/18/22 3:22 pm): Administrative approval: No
Comments: change to total hours; doesn't restrict student choice.
Program Change Request

Date Submitted: 01/11/22 11:00 am

Viewing: 10KL5008BS : Agricultural & Consumer Economics: Environmental Economics and Policy, BS

Last approved: 02/20/19 6:27 pm
Last edit: 01/18/22 3:26 pm
Changes proposed by: Brianna Gregg

Proposal Type:

In Workflow
- U Program Review
- 1470 Head
- KL Committee Chair
- KL Dean
- University Librarian
- Provost
- Senate EPC
- Senate
- U Senate Conf
- Board of Trustees
- IBHE
- HLC
- DMI

Approval Path
1. 01/12/22 2:17 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 01/12/22 5:02 pm
   Bryan Endres (bendres):
   Approved for 1470 Head
3. 01/13/22 9:02 am
   Brianna Gregg (bjgray2):
   Approved for KL Committee Chair
4. 01/18/22 12:25 pm
   Anna Ball (aball):
   Approved for KL Dean
5. 01/18/22 12:27 pm
   John Wilkin (jpwilkin):
Concentration (ex. Dietetics)

This proposal is for a: Revision

Administration Details

<table>
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<tr>
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<tbody>
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<td>Sean Fox</td>
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<td><a href="mailto:seanfox@illinois.edu">seanfox@illinois.edu</a></td>
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</tr>
<tr>
<td>Email</td>
<td><a href="mailto:bjgray2@illinois.edu">bjgray2@illinois.edu</a></td>
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Does this program have inter-departmental administration?

No
Proposal Title
Effective Catalog Fall 2022

Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the concentration in Environmental Economics and Policy in the BS in Agricultural and Consumer Economics.

Curricula update: Geography & GIS rubric change

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?
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Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

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Admin Migration

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

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<td></td>
<td></td>
</tr>
<tr>
<td>ACE 210</td>
<td>Environmental Economics</td>
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<tr>
<td>ACE 310</td>
<td>Natural Resource Economics</td>
<td>3</td>
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<td>ACE 406</td>
<td>Environmental Law</td>
<td>3</td>
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<tr>
<td>ACE 410</td>
<td>Energy Economics</td>
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<tr>
<td><strong>ACE 411</strong></td>
<td>Environment and Development</td>
<td>3</td>
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<tr>
<td><strong>Select one of the following:</strong></td>
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<tr>
<td>GEOG 379</td>
<td>Course GEOG 379 Not Found</td>
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</tr>
<tr>
<td>GGIS 379</td>
<td>Introduction to Geographic Information Systems</td>
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<tr>
<td>NRES 454</td>
<td>GIS in Natural Resource Mgmt</td>
<td></td>
</tr>
<tr>
<td>UP 418</td>
<td>GIS for Planners</td>
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<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>18</strong></td>
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</tbody>
</table>

Program Relationships

Corresponding Program(s):

- Agricultural & Consumer Economics, BS

Program Features

- **Academic Level**: Undergraduate

**Is This a Teacher Certification Program?**
Delivery Method

This program is available:
On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

There is no impact to the annual number of degrees awarded or enrollment.

Budget

Are there budgetary implications for this revision? No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available? No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal? Admin Migration

Will the unit need to seek campus or other external resources? No

Attach letters of support

Resource Implications
Facilities
Will the program require new or additional facilities or significant improvements to already existing facilities?
No

Technology
Will the program need additional technology beyond what is currently available for the unit?
No

Non-Technical Resources
Will the program require additional supplies, services or equipment (non-technical)?
No

Resources
For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources
Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.
No impact on unit.

Library Resources
Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.
Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number
EP.22.068

Attach Rollback/Approval Notices
No

This proposal requires HLC inquiry No
DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name  BS:ACE-Envmntl Econ&Plicy -UIUC

Program Code:  10KL5008BS

<table>
<thead>
<tr>
<th>Minor Code</th>
<th>Conc Code</th>
<th>Degree Code</th>
<th>BS Code</th>
<th>Major Code</th>
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<tr>
<td>0176</td>
<td>5008</td>
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</tr>
</tbody>
</table>

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Program Reviewer: Kathy Martensen (kmartens) (01/18/22 3:25 pm): Administrative approval: No change to total hours; doesn't restrict student choice.

Key: 599
Program Change Request

Date Submitted: 01/13/22 1:36 pm

Viewing: 10KL6028BS : Engineering Technology and Management for Agricultural Systems, BS

Last approved: 06/28/21 4:04 pm
Last edit: 01/18/22 3:28 pm
Changes proposed by: Heather Crump

Catalog Pages
Using this Program
Engineering Technology & Management for Agricultural Systems, BS
Engineering Technology & Management for Agricultural Systems: Agricultural Production & Processing, BS
Engineering Technology & Management for Agricultural Systems: Construction Management, BS
Engineering Technology & Management for Agricultural Systems: Digital & Precision Agriculture, BS
Engineering Technology & Management for Agricultural Systems: Energy & the Environment, BS

Proposal Type:

In Workflow
1. U Program Review
2. 1741 Committee Chair
3. 1741 Head
4. KL Committee Chair
5. KL Dean
6. University Librarian
7. Provost
8. Senate EPC
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path
1. 01/13/22 3:22 pm Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 01/13/22 3:27 pm Kent Rausch (krausch):
   Approved for 1741 Committee Chair
3. 01/13/22 3:47 pm Ronaldo Maghirang (ronaldom):
   Approved for 1741 Head
4. 01/14/22 9:50 am Brianna Gregg (bjgray2):
   Approved for KL Committee Chair
5. 01/18/22 12:25
Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Engineering Technology and Management for Agricultural Systems, BS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor College</td>
<td>Agr, Consumer, &amp; Env Sciences</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>Agricultural &amp; Biological Engr</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Kent Rausch</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:krausch@illinois.edu">krausch@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Anna Ball</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:aball@illinois.edu">aball@illinois.edu</a></td>
</tr>
<tr>
<td>College Budget Officer Email</td>
<td></td>
</tr>
<tr>
<td>College Budget Officer Email</td>
<td></td>
</tr>
</tbody>
</table>

History

1. Jun 28, 2021 by Anne Marie Boone (aboone)
Proposal Title

Effective Catalog  Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the BS in ETMAS
changing rubric from TSM to ETMA

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?
changing rubric from TSM to ETMA

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment
The Engineering Technology and Management for Agricultural Systems (formerly Technical Systems Management) program is designed to prepare graduates for careers in management, marketing, operations, maintenance, and application of agricultural and biological engineering technologies within the realms of agriculture, food, energy, water, and the environment. Graduates are expected to understand problems and concerns in engineering technologies from production to processing through distribution and their social and cultural implications. Specific program learning objectives are:

Objective 1: Provide academic and technical knowledge and experiences needed for success in an increasingly technological agricultural industry and world.

Objective 2: Enhance students' abilities to formulate questions and find solutions both individually and as a part of a team.

Objective 3: Improve students’ abilities to communication both written and oral forms.

Objective 4: Enhance the use and understanding of mathematics and calculation for analysis in technology and business.

Objective 5: Provide opportunities to learn and enhance professional and ethical values and leadership skills.

Objective 6: Understand their role in society and the social and cultural implications of practice in their profession.

Objective 7: Recognize the need for and develop the abilities to engage in life-long learning.

Objective 8: Understand the global nature of agriculture and business.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No
AND, if the revision references or adds “chose-from” lists of
courses students can select from to fulfill requirements, a listing
of these courses, including the course rubric, number, title, and
number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new
catalog page for the program. Can be edited in the catalog by the college or department.

The major in Engineering Technology and Management for Agricultural Systems is
designed to prepare students as problem solvers for systems involving the application,
management, and/or marketing of engineering technologies. Students are instructed in
engineering and business principles in preparation as technically competent business
persons for professional careers as entrepreneurs, marketing representatives, or plant
managers working with service organizations, manufacturers, corporate farms, retail
dealers, power suppliers, contractors, or management companies from production
through processing and distribution. Students will select a concentration in Agricultural
Production and Processing, Construction Management, Digital and Precision Agriculture,
or Energy and the Environment.

Statement for Programs of Study Catalog

Prescribed Courses including Campus General Education

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition I and Speech</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RHET 105 &amp; CMN 101</td>
<td>Writing and Research and Public Speaking (or equivalent (see college Composition I requirement))</td>
<td>6-7</td>
</tr>
<tr>
<td>CMN 111 &amp; CMN 112</td>
<td>Oral &amp; Written Comm I and Oral &amp; Written Comm II</td>
<td></td>
</tr>
<tr>
<td>Advanced Composition</td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

Select from the list below

- **AGCM 220** Communicating Agriculture
- **BADM 340** Ethical Dilemmas of Business
- **BTW 250** Principles Bus Comm
- **BTW 261** Principles Tech Comm
- **ECE 316** Ethics and Engineering
- **ESE 360** Environmental Writing
- **ETMA 311** Humanity in the Food Web
- **LEAD 230** Leadership Communications
- **NRES 419** Env and Plant Ecosystems
- **PLPA 200** Plants, Pathogens, and People
- **TSM 311** Course TSM 311 Not Found

Cultural Studies

Select one course from Western culture, one from non-Western culture, and one from U.S. minority
culture from campus approved lists.
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foreign Language</strong></td>
<td>Coursework at or above the third level is required for graduation.</td>
<td></td>
</tr>
<tr>
<td><strong>Quantitative Reasoning I</strong></td>
<td><strong>MATH 234</strong> Calculus for Business I (or equivalent)</td>
<td>4</td>
</tr>
<tr>
<td><strong>Quantitative Reasoning II</strong></td>
<td></td>
<td>3 or 4</td>
</tr>
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</table>

Select one of the following:

- **ACE 262** Applied Statistical Methods and Data Analytics I
- **CPSC 241** Intro to Applied Statistics
- **ECON 202** Economic Statistics I
- **STAT 107** Data Science Discovery

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td><strong>Natural Sciences and Technology</strong></td>
<td><strong>CHEM 102</strong> General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; <strong>CHEM 103</strong> General Chemistry Lab I</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PHYS 101</strong> College Physics: Mech &amp; Heat</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

- **CHEM 104** General Chemistry II
- & **CHEM 105** General Chemistry Lab II

OR

- **PHYS 102** College Physics: E&M & Modern

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Humanities and the Arts</strong></td>
<td>Select from campus approved list.</td>
<td>6</td>
</tr>
<tr>
<td><strong>Social and Behavioral Sciences</strong></td>
<td><strong>ACE 100</strong> Introduction to Applied Microeconomics</td>
<td>3-4</td>
</tr>
<tr>
<td>or <strong>ECON 102</strong> Microeconomic Principles</td>
<td></td>
<td></td>
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<tr>
<td>Social and behavioral sciences. Select from campus approved list.</td>
<td>3 or 4</td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>ACES Prescribed</strong></td>
<td><strong>ACES 101</strong> Contemporary Issues in ACES</td>
<td>2</td>
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<table>
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<tr>
<th>Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td><strong>ETMA Required</strong></td>
<td><strong>CS 105</strong> Intro Computing: Non-Tech</td>
<td>3</td>
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<tr>
<td><strong>TSM 100</strong> Course TSM 100 Not Found</td>
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<td>3</td>
</tr>
<tr>
<td><strong>TSM 339</strong> Course TSM 339 Not Found</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>TSM 421</strong> Course TSM 421 Not Found</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>or <strong>TSM 422</strong> Course TSM 422 Not Found</td>
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<td></td>
</tr>
<tr>
<td><strong>TSM 430</strong> Course TSM 430 Not Found</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td><strong>TSM 439</strong> Course TSM 439 Not Found</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td><strong>ETMA 100</strong> Technical Systems in Agr</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>ETMA 339</strong> Optimization in Engineering Technology and Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>ETMA 421</strong> Industrial and Agricultural Safety-Injury Prevention</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>or <strong>ETMA 422</strong> Industrial and Agricultural Occupational Illness Prevention</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ETMA 430</strong> Project Management</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>ETMA 439</strong> Capstone Experience</td>
<td>4</td>
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<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td><strong>Business electives</strong></td>
<td>A total of 6 hours from the Business Electives list which do not satisfy any other requirements.</td>
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<tr>
<td><strong>ACCY 200</strong> Fundamentals of Accounting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>ACCY 201</strong> Accounting and Accountancy I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>----------</td>
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<tr>
<td>ACCY 202</td>
<td>Accounting and Accountancy II</td>
<td>3</td>
</tr>
<tr>
<td>ACCY 211</td>
<td>Understanding Financial Statements</td>
<td>3</td>
</tr>
<tr>
<td>ACCY 212</td>
<td>Understanding Accounting for Business Decisions</td>
<td>3</td>
</tr>
<tr>
<td>ACE 210</td>
<td>Environmental Economics</td>
<td>3</td>
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<tr>
<td>ACE 240</td>
<td>Personal Financial Planning</td>
<td>3</td>
</tr>
<tr>
<td>ACE 310</td>
<td>Natural Resource Economics</td>
<td>3</td>
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<tr>
<td>ACE 345</td>
<td>Finan Decision Indiv Sm Bus</td>
<td>3</td>
</tr>
<tr>
<td>ACE 346</td>
<td>Tax Policy and Finan Planning</td>
<td>3</td>
</tr>
<tr>
<td>ACE 432</td>
<td>Advanced Farm Management</td>
<td>3</td>
</tr>
<tr>
<td>ACE 435</td>
<td>Global Agribusiness Management</td>
<td>3</td>
</tr>
<tr>
<td>AGCM 270</td>
<td>Ag Sales and Persuasive Communication</td>
<td>3</td>
</tr>
<tr>
<td>BADM 300</td>
<td>The Legal Environment of Bus</td>
<td>3</td>
</tr>
<tr>
<td>BADM 310</td>
<td>Mgmt and Organizational Beh</td>
<td>3</td>
</tr>
<tr>
<td>BADM 311</td>
<td>Leading Individuals and Teams</td>
<td>3</td>
</tr>
<tr>
<td>BADM 312</td>
<td>Designing and Managing Orgs</td>
<td>3</td>
</tr>
<tr>
<td>BADM 313</td>
<td>Strategic Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>BADM 314</td>
<td>Leading Negotiations</td>
<td>3</td>
</tr>
<tr>
<td>BADM 320</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BADM 322</td>
<td>Marketing Research</td>
<td>3</td>
</tr>
<tr>
<td>BADM 323</td>
<td>Marketing Communications</td>
<td>3</td>
</tr>
<tr>
<td>BADM 326</td>
<td>Pricing Strategy</td>
<td>3</td>
</tr>
<tr>
<td>FIN 221</td>
<td>Corporate Finance</td>
<td>3</td>
</tr>
<tr>
<td>FIN 230</td>
<td>Introduction to Insurance</td>
<td>3</td>
</tr>
<tr>
<td>LER 290</td>
<td>Introduction to Employment Law</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 140</td>
<td>Harnessing Your Interpersonal Intelligence</td>
<td>2</td>
</tr>
<tr>
<td>LEAD 260</td>
<td>Foundations of Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 340</td>
<td>Leadership Ethics &amp; Society: Addressing Contemporary Challenges</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 380</td>
<td>Leadership in Groups and Teams</td>
<td>3</td>
</tr>
<tr>
<td>LEAD 440</td>
<td>Interpersonal Intelligence for Professional Success</td>
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</tr>
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<td>SE 361</td>
<td>Emotional Intelligence Skills</td>
<td>3</td>
</tr>
<tr>
<td>SE 400</td>
<td>Engineering Law</td>
<td>3 or 4</td>
</tr>
<tr>
<td>TE 230</td>
<td>Design Thinking/Need-Finding</td>
<td>3</td>
</tr>
<tr>
<td>TE 250</td>
<td>From Idea to Enterprise</td>
<td>2</td>
</tr>
<tr>
<td>TE 333</td>
<td>Creativity, Innovation, Vision</td>
<td>4</td>
</tr>
<tr>
<td>TE 360</td>
<td>Lectures in Engineering Entrepreneurship</td>
<td>1</td>
</tr>
<tr>
<td>TE 450</td>
<td>Startups: Incorporation, Funding, Contracts, &amp; Intellectual Property</td>
<td>3</td>
</tr>
</tbody>
</table>

Introductory Related Courses
Select 2 courses from the list for your concentration. 6-8

ETMA Electives
A total of 20 hours from the list for your concentration with a minimum of 11 hours at the advanced level.

Concentration Electives
Select 18 hours from the list for your concentration, which do not satisfy any other requirements, with a minimum of 12 hours at the advanced level.

Total Hours 126
ETMAS majors will need 40 hours of upper-level courses (300- and 400-level) to satisfy the campus minimum requirement of 40 hours of advanced coursework.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
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</tbody>
</table>

**Program Features**

**Academic Level**
Undergraduate

**Does this major have transcripted concentrations?**
No

**What is the typical time to completion of this program?**
4 years

**What are the minimum Total Credit Hours required for this program?**
126

**CIP Code**
140301 - Agricultural Engineering.

**Is This a Teacher Certification Program?**
No

**Will specialized accreditation be sought for this program?**
Yes

Describe the plans for seeking specialized accreditation:
Yes. Within the next 5 years, accreditation by the Engineering Technology Accreditation Commission (ETAC) of ABET will be sought.

**Delivery Method**

This program is available:
On Campus - Students are required to be on campus, they may take some online courses.

**Admission Requirements**

**Desired Effective Admissions Term**
Fall 2021

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

Admission requirements are unchanged from the existing TSM curriculum.
Describe how critical academic functions such as admissions and student advising are managed.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

changing rubric from TSM to ETMA

Estimated Annual Number of Degrees Awarded

<table>
<thead>
<tr>
<th>Year One Estimate</th>
<th>5th Year Estimate (or when fully implemented)</th>
</tr>
</thead>
</table>

What is the matriculation term for this program?
Fall

Budget

Are there budgetary implications for this revision?
No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

There will be no budgetary obligations due to this curriculum revision for the revised TSM program. The curriculum revision will be carried out with existing resources.

Will the unit need to seek campus or other external resources?
No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)
Are you seeking a change in the tuition rate or differential for this program?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

changing rubric from TSM to ETMA

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

changing rubric from TSM to ETMA

EP Documentation

EP Control Number

EP.22.068

Attach Rollback/Approval
This proposal requires HLC inquiry.

**DMI Documentation**

Attach Final Approval Notices

Banner/Codebook Name: BS:Engr Tech & Mgt Ag Sys-UIUC

Program Code: 10KL6028BS

<table>
<thead>
<tr>
<th>Minor Code</th>
<th>Conc Code</th>
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<th>BS Code</th>
<th>Major Code</th>
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<tbody>
<tr>
<td>6028</td>
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</table>

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Program Reviewer Comments: Kathy Martensen (kmartens) (01/18/22 3:28 pm): Administrative approval: No change to total hours; doesn't restrict student choice.

Key: 73
Date Submitted: 01/13/22 1:32 pm


Last approved: 06/28/21 3:59 pm
Last edit: 01/18/22 4:43 pm
Changes proposed by: Heather Crump

Catalog Pages Using this Program

Engineering Technology & Management for Agricultural Systems: Agricultural Production & Processing, BS
Engineering Technology & Management: Agricultural Production & Processing, BS

Engineering Technology & Management for Agricultural Systems: Agricultural Production & Processing, BS

Proposal Type:
Concentration (ex. Dietetics)

This proposal is for a:
Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Engineering Technology &amp; Management for Agricultural Systems: Agricultural Production &amp; Processing,</th>
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<tr>
<td>Sponsor College</td>
<td>Agr, Consumer, &amp; Env Sciences</td>
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<td>Agricultural &amp; Biological Engr</td>
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<tr>
<td>Sponsor Name</td>
<td>Kent Rausch</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:krausch@illinois.edu">krausch@illinois.edu</a></td>
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<tr>
<td>College Contact</td>
<td>Anna Ball</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:aball@illinois.edu">aball@illinois.edu</a></td>
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</tbody>
</table>

History

1. Jun 28, 2021 by Anne Marie Boone (aboone)
Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. *Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.*

Does this program have inter-departmental administration?
  No

Proposal Title

Effective Catalog   Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the Agricultural Production & Processing concentration within the BS in ETMAS

Establish the Agricultural Production and Processing concentration under the Engineering Technology & Management for Agricultural Systems, BS.
This program is related to the Engineering Technology & Management for Agricultural Systems, BS revision proposal key: 73
The Construction Management concentration proposal key: 1010
The Digital and Precision Agriculture concentration proposal key: 1011
and the Energy and the Environment concentration proposal key: 1012

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?
  changing rubric from TSM to ETMA

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?
  No

Program Regulation and Assessment
Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs   Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Introductory Related Courses</td>
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</tr>
<tr>
<td>ACES 102</td>
<td>Intro Sustainable Food Systems</td>
<td></td>
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<tr>
<td>ANSC 100</td>
<td>Intro to Animal Sciences</td>
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<tr>
<td>CPSC 112</td>
<td>Introduction to Crop Sciences</td>
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<tr>
<td>HORT 100</td>
<td>Introduction to Horticulture</td>
<td></td>
</tr>
<tr>
<td>FSHN 101</td>
<td>The Science of Food and How it Relates to You</td>
<td></td>
</tr>
<tr>
<td>LEAD 260</td>
<td>Foundations of Leadership</td>
<td></td>
</tr>
<tr>
<td>MFST 101</td>
<td>Experiencing Food Systems</td>
<td></td>
</tr>
<tr>
<td>NRES 201</td>
<td>Introductory Soils</td>
<td></td>
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ETMA Electives

Required:

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<th>Code</th>
<th>Title</th>
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<tbody>
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<td>TSM 103</td>
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Select an additional 18 hours from the below list for a total of 20 hours with a minimum of 11 hours at the advanced level

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<th>Hours</th>
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<tbody>
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<td>TSM 132</td>
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<td>TSM 232</td>
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<td>TSM 262</td>
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<td>TSM 295</td>
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<td>TSM 371</td>
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<td>TSM 372</td>
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<tr>
<td>TSM 381</td>
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<td>TSM 464</td>
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<tr>
<td>TSM 467</td>
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</table>
Concentration Electives
Select 18 hours from the lists below with a minimum of 12 hours at the advanced level
Select two from the Food and Agricultural Marketing Management and Law category

Food and Agricultural Marketing Management and Law

ACE 222  Agricultural Marketing
ACE 231  Food and Agribusiness Mgt
ACE 232  Farm Management
ACE 306  Food Law
ACE 403  Agricultural Law
ACE 427  Commodity Price Analysis
ACE 428  Commodity Futures and Options
ACE 430  Food Marketing
ACE 431  Agri-food Strategic Management
ACE 432  Advanced Farm Management
ACE 435  Global Agribusiness Management

Pick four classes from no more than two of these categories:
Animal Production & Processing

ANSC 219  Meat Technology
ANSC 223  Animal Nutrition
ANSC 301  Food Animal Production, Management, and Evaluation
ANSC 310  Meat Selection and Grading
ANSC 322  Livestock Feeds and Feeding
ANSC 400  Dairy Herd Management
ANSC 401  Beef Production
ANSC 402  Sheep and Goat Production
ANSC 403  Pork Production
### Code Title Hours

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>ANSC 404</td>
<td>Poultry Science</td>
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<tr>
<td>ANSC 424</td>
<td>Pet Food &amp; Feed Manufacturing</td>
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</table>

### Program Relationships

Corresponding Program(s):

- Engineering Technology and Management for Agricultural Systems, BS

### Program Features

- Academic Level: Undergraduate
- Is This a Teacher Certification Program? No
Will specialized accreditation be sought for this program?

No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

changing rubric from TSM to ETMA

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

There will be no budgetary obligations due to this curriculum revision for the revised TSM program. The curriculum revision will be carried out with existing resources.

Will the unit need to seek campus or other external resources?

No

Attach letters of support

Resource Implications
Facilities
Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology
Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources
Will the program require additional supplies, services or equipment (non-technical)?

No

Resources
For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources
Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

The concentration does not necessitate the hiring of additional instructors or faculty, nor does it require additional resources with regard to equipment of instructional facilities. All of the courses being added to the TSM core or the concentrations already have capacity to accommodate any additional students that may take them as a result of the proposed changes. Thus, ABE department will not need to create additional capacity to resource the proposed program, nor will it need to cease support of other functions or programs.

This concentration should not have any significant impact on the enrollment in other units.

Library Resources
Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

No impact is anticipated.

EP Documentation
EP Control EP.22.068
This proposal requires HLC inquiry.

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

Agricultural Production and Processing

Program Code: 6002

Minor Code 6002 Degree Code BS Major Code

Conc Code 6028

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Program Reviewer Comments

**Emily Stuby (eastuby) (01/13/22 3:28 pm):** Removing old DMI documentation.  

**Kathy Martensen (kmartens) (01/18/22 4:42 pm):** Administrative approval: No change to total hours required; doesn’t restrict student choice.
Program Change Request

Date Submitted: 01/13/22 1:33 pm

Viewing: 6003 : Engineering Technology & Management for Agricultural Systems: Construction Management, BS

Last approved: 06/28/21 4:01 pm
Last edit: 01/18/22 4:54 pm
Changes proposed by: Heather Crump

Catalog Pages Using this Program
Engineering Technology & Management for Agricultural Systems: Construction Management, BS

Proposal Type:

Approval Path
1. 01/13/22 3:31 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review

2. 01/13/22 3:40 pm
   Kent Rausch (krausch):
   Approved for 1741 Committee Chair

3. 01/13/22 3:49 pm
   Ronaldo Maghirang (ronaldom):
   Approved for 1741 Head

4. 01/13/22 4:29 pm
   Brianna Gregg (bjgray2):
   Approved for KL Committee Chair

5. 01/18/22 12:26
Concentration (ex. Dietetics)
This proposal is for a:
Revision

Administration Details

<table>
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<td>Sponsor Name</td>
<td>Kent Rausch</td>
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<td>Anna Ball</td>
</tr>
<tr>
<td>College Contact</td>
<td><a href="mailto:aball@illinois.edu">aball@illinois.edu</a></td>
</tr>
<tr>
<td>College Budget Officer</td>
<td></td>
</tr>
<tr>
<td>College Budget Officer Email</td>
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</tbody>
</table>
Proposal Title

Effective Catalog Fall 2022

Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval: Revision to the Construction Management concentration in the BS in ETMA

To establish the Construction Management concentration under the Engineering Technology & Management for Agricultural Systems, BS. This program is related to the Engineering Technology & Management for Agricultural Systems, BS revision proposal key: 73
The Agricultural Production & Processing concentration proposal key: 1009
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Program Justification

Why are these changes necessary?

changing rubric from TSM to ETMA

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment
The Engineering Technology and Management for Agricultural Systems (formerly Technical Systems Management) program is designed to prepare graduates for careers in management, marketing, operations, maintenance, and application of agricultural and biological engineering technologies within the realms of agriculture, food, energy, water, and the environment. Graduates are expected to understand problems and concerns in engineering technologies from production to processing through distribution and their social and cultural implications. Specific program learning objectives are:

Objective 1: Provide academic and technical knowledge and experiences needed for success in an increasingly technological agricultural industry and world.

Objective 2: Enhance students' abilities to formulate questions and find solutions both individually and as a part of a team.

Objective 3: Improve students’ abilities to communication both written and oral forms.

Objective 4: Enhance the use and understanding of mathematics and calculation for analysis in technology and business.

Objective 5: Provide opportunities to learn and enhance professional and ethical values and leadership skills.

Objective 6: Understand their role in society and the social and cultural implications of practice in their profession.

Objective 7: Recognize the need for and develop the abilities to engage in life-long learning.

Objective 8: Understand the global nature of agriculture and business.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

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<td>Foundations of Leadership</td>
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</tr>
<tr>
<td>NRES 201</td>
<td>Introductory Soils</td>
<td></td>
</tr>
<tr>
<td>UP 101</td>
<td>Introduction to City Planning</td>
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<td>UP 136</td>
<td>Urban Sustainability</td>
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<td><strong>ETMA Electives</strong></td>
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<td>ETMA 371</td>
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<td>ETMA 372</td>
<td>Environ Control &amp; HVAC Systems</td>
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<td>Metallurgy &amp; Welding Process</td>
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<td>Wiring, Motors and Control Systems</td>
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<td>ETMA 363</td>
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<td>ETMA 396</td>
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<td>ETMA 425</td>
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<td>ETMA 435</td>
<td>Elec Computer Ctrl Sys</td>
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<tr>
<td>ETMA 496</td>
<td>Independent Study</td>
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</table>

**Concentration Electives**

Select 18 hours from the list below with a minimum of 12 hours at the advanced level.

At least two of:

- CEE 320 Construction Engineering
- CEE 420 Construction Productivity
- CEE 421 Construction Planning
- CEE 422 Construction Cost Analysis

At least one of:

- BADM 300 The Legal Environment of Bus
- BADM 310 Mgmt and Organizational Beh
- BADM 320 Principles of Marketing
- FIN 221 Corporate Finance
- FIN 241 Fundamentals of Real Estate

At least one of:

- UP 406 Urban Ecology
- UP 446 Sustainable Planning Seminar
- UP 466 Energy & the Built Environment
- UP 475 Real Estate Development Fundamentals
- UP 480 Sustainable Design Principles

May select from the below list to achieve 18 hours:

- ACE 435 Global Agribusiness Management
- ACE 345 Finan Decision Indiv Sm Bus
- CEE 424 Sustainable Const Methods
- ESE 482 Challenges of Sustainability

**Program Relationships**

**Corresponding Program(s):**

- Engineering Technology and Management for Agricultural Systems, BS

**Program Features**

- **Academic Level:** Undergraduate
Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

changing rubric from TSM to ETMA

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

There will be no budgetary obligations due to this curriculum revision. The curriculum revision will be carried out with existing resources.

Will the unit need to seek campus or other external resources?

No

Attach letters of support
Resource Implications

Facilities
Will the program require new or additional facilities or significant improvements to already existing facilities?
No

Technology
Will the program need additional technology beyond what is currently available for the unit?
No

Non-Technical Resources
Will the program require additional supplies, services or equipment (non-technical)?
No

Resources
For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources
Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

The concentration does not necessitate the hiring of additional instructors or faculty, nor does it require additional resources with regard to equipment of instructional facilities. All of the courses being added to the TSM core or the concentrations already have capacity to accommodate any additional students that may take them as a result of the proposed changes. Thus, ABE department will not need to create additional capacity to resource the proposed program, nor will it need to cease support of other functions or programs.

This concentration should not have any significant impact on the enrollment in other units.

Library Resources
Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.
No impact is anticipated.
EP Documentation

EP Control Number
Attach Rollback/Approval Notices

This proposal requires HLC inquiry

DMI Documentation

Attach Final Approval Notices
Banner/Codebook Name

Construction Management
Program Code: 6003

Minor Code 6028

Senate Approval Date
Senate Conference Approval Date
BOT Approval Date
IBHE Approval Date
HLC Approval Date
Effective Date:
Attached Document

Justification for this request

Program Reviewer Comments
Emily Stuby (eastuby) (01/13/22 3:28 pm): Removing old DMI documentation.
Kathy Martensen (kmartens) (01/18/22 4:54 pm): Administrative approval: No change to total hours required; does not restrict student choice.
Program Change Request

Date Submitted: 01/13/22 1:34 pm

Viewing: **6004 : Engineering Technology & Management for Agricultural Systems: Digital & Precision Agriculture, BS**

Last approved: 06/28/21 4:02 pm
Last edit: 01/19/22 11:20 am
Changes proposed by: Heather Crump

Catalog Pages Using this Program

Engineering Technology & Management for Agricultural Systems: Digital & Precision Agriculture, BS

Proposal Type:

In Workflow

1. U Program Review
2. 1741 Committee Chair
3. 1741 Head
4. KL Committee Chair
5. KL Dean
6. University Librarian
7. Provost
8. Senate EPC
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 01/13/22 3:34 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 01/13/22 3:40 pm
   Kent Rausch (krausch):
   Approved for 1741 Committee Chair
3. 01/13/22 3:50 pm
   Ronaldo Maghirang (ronaldom):
   Approved for 1741 Head
4. 01/13/22 4:29 pm
   Brianna Gregg (bjgray2):
   Approved for KL Committee Chair
5. 01/18/22 12:26
Concentration (ex. Dietetics)

This proposal is for a: Revision

**Administration Details**

<table>
<thead>
<tr>
<th>Official Program Name</th>
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<tbody>
<tr>
<td>Sponsor College</td>
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<tr>
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<td>Agricultural &amp; Biological Engr</td>
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<tr>
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<td>Kent Rausch</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:krausch@illinois.edu">krausch@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td>Anna Ball <a href="mailto:aball@illinois.edu">aball@illinois.edu</a></td>
</tr>
<tr>
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<td><a href="mailto:aball@illinois.edu">aball@illinois.edu</a></td>
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History

1. Jun 28, 2021 by Anne Marie Boone (aboone)
College Budget
Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
   No

Proposal Title

Effective Catalog   Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the Digital and Precision Agriculture concentration in the BS in ETMA

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

This program is related to the Engineering Technology & Management, BS revision proposal key: 73
The Agricultural Production & Processing concentration proposal key: 1009
The Construction Management concentration proposal key: 1010
and the Energy and the Environment concentration proposal key:1012

Program Justification

Why are these changes necessary?
   changing rubric from TSM to ETMA

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

   No

Does the program include other courses/subjects impacted by the creation/revision of this program?
   No

Program Regulation and Assessment
Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

The Engineering Technology and Management for Agricultural Systems (formerly Technical Systems Management) program is designed to prepare graduates for careers in management, marketing, operations, maintenance, and application of agricultural and biological engineering technologies within the realms of agriculture, food, energy, water, and the environment. Graduates are expected to understand problems and concerns in engineering technologies from production to processing through distribution and their social and cultural implications. Specific program learning objectives are:

Objective 1: Provide academic and technical knowledge and experiences needed for success in an increasingly technological agricultural industry and world.

Objective 2: Enhance students' abilities to formulate questions and find solutions both individually and as a part of a team.

Objective 3: Improve students’ abilities to communication both written and oral forms.

Objective 4: Enhance the use and understanding of mathematics and calculation for analysis in technology and business.

Objective 5: Provide opportunities to learn and enhance professional and ethical values and leadership skills.

Objective 6: Understand their role in society and the social and cultural implications of practice in their profession.

Objective 7: Recognize the need for and develop the abilities to engage in life-long learning.

Objective 8: Understand the global nature of agriculture and business.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

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<thead>
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<th>Code</th>
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<td><strong>Introductory Related Courses</strong></td>
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<td></td>
<td><strong>CPSC 112</strong> Introduction to Crop Sciences</td>
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<td><strong>NRES 201</strong> Introductory Soils</td>
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<td></td>
<td><strong>ETMA Electives</strong></td>
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<td><strong>ETMA 262</strong> Off-Road Equipment Management</td>
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<td><strong>ETMA 363</strong> Fluid Power Systems</td>
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<td><strong>ETMA 435</strong> Elec Computer Ctrl Sys</td>
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<td><strong>ETMA 464</strong> Engine and Tractor Power</td>
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<td><strong>ETMA 467</strong> Precision Agric Technology</td>
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Select an additional 4 hours from the below list for a total of 20 hours with a minimum of 11 hours at the advanced level

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<td>Basics of Project Management</td>
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<td>ETMA 233</td>
<td>Metallurgy &amp; Welding Process</td>
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<td>Wiring, Motors and Control Sys</td>
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<tr>
<td>ETMA 352</td>
<td>Land and Water Mgt Systems</td>
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</tr>
<tr>
<td>ETMA 381</td>
<td>Grain Drying &amp; Storage Systems</td>
<td></td>
</tr>
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<td>ETMA 396</td>
<td>UG Honors Research or Thesis</td>
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<td>ETMA 425</td>
<td>Managing Industrial and Agricultural Safety Risks</td>
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<td>ETMA 496</td>
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### Concentration Electives

Select 18 hours from the list below with a minimum of 12 hours at the advanced level.

**One of:**
- ACE 210: Environmental Economics
- ACE 222: Agricultural Marketing
- ACE 231: Food and Agribusiness Mgt
- ACE 232: Farm Management
- ACE 427: Commodity Price Analysis
- ACE 428: Commodity Futures and Options
- ACE 432: Advanced Farm Management
- ACE 435: Global Agribusiness Management

**One set of:**
- GEOG 379 & GEOG 380: Introduction to Geographic Information Systems and Spatial Problem Solving

**OR**

**One of:**
- NRES 438: Soil Nutrient Cycling
- NRES 471: Pedology
- NRES 474: Soil and Water Conservation
- NRES 475: Environmental Microbiology
- NRES 488: Soil Fertility and Fertilizers

**One of:**
- CPSC 212: Introduction to Plant Protection
- CPSC 270: Applied Entomology

**One of:**
- CPSC 408: Integrated Pest Management
- CPSC 412: Principles of Crop Production
Program Relationships

Corresponding Program(s):

<table>
<thead>
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<tr>
<td>CPSC 418</td>
<td>Crop Growth and Management</td>
<td></td>
</tr>
<tr>
<td>CPSC 426</td>
<td>Weed Mgt in Agronomic Crops</td>
<td></td>
</tr>
<tr>
<td>CPSC 473</td>
<td>Mgmt of Field Crop Insects</td>
<td></td>
</tr>
</tbody>
</table>

Program Features

Academic Level: Undergraduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

changing rubric from TSM to ETMA

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
Financial Resources

How does the unit intend to financially support this proposal?

There will be no budgetary obligations due to this curriculum revision. The curriculum revision will be carried out with existing resources.

Will the unit need to seek campus or other external resources?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources
The concentration does not necessitate the hiring of additional instructors or faculty, nor does it require additional resources with regard to equipment of instructional facilities. All of the courses being added to the TSM core or the concentrations already have capacity to accommodate any additional students that may take them as a result of the proposed changes. Thus, ABE department will not need to create additional capacity to resource the proposed program, nor will it need to cease support of other functions or programs.

This concentration should not have any significant impact on the enrollment in other units.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

No impact is anticipated.

EP Documentation

EP Control Number
Attach Rollback/Approval Notices
This proposal requires HLC inquiry

No impact is anticipated.

DMI Documentation

Attach Final Approval Notices
Banner/Codebook Name
Digital and Precision Agriculture
Program Code: 6004
Minor Code 6028

No impact is anticipated.
Program Reviewer: Emily Stuby (eastuby) (01/13/22 3:28 pm): Removing old DMI documentation.

Kathy Martensen (kmartens) (01/19/22 9:53 am): Administrative approval: No change to total hours; doesn't restrict student choice.
Program Change Request

Date Submitted: 01/13/22 1:34 pm


Last approved: 06/28/21 4:04 pm
Last edit: 01/19/22 11:49 am
Changes proposed by: Heather Crump

Proposal Type:

Catalog Pages Using this Program
Engineering Technology & Management for Agricultural Systems: Energy & the Environment, BS

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1. 01/13/22 3:34 pm
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Concentration (ex. Dietetics)

This proposal is for a:

Revision

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Proposal Title

Effective Catalog       Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the Energy and the Environment concentration within the BS in ETMAS.

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

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and the Digital and Precision Agriculture concentration proposal key:1011

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<tr>
<td>TSM 435</td>
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<tr>
<td>TSM 496</td>
<td>Course TSM 496 - Not Found</td>
<td>1-to-4</td>
</tr>
<tr>
<td></td>
<td><strong>ETMA 130</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Basics of CAD</td>
<td>4</td>
</tr>
</tbody>
</table>
Concentration Electives
Select 18 hours from the list below with a minimum of 12 hours at the advanced level.

At least one of:
ACE 210 Environmental Economics
ACE 310 Natural Resource Economics
ACE 406 Environmental Law
ACE 410 Energy Economics
ACE 411 Environment and Development

At least one of:
NRES 219 Applied Ecology
NRES 370 Environmental Sustainability
NRES 419 Env and Plant Ecosystems
NRES 420 Restoration Ecology
NRES 425 Natural Resources Law & Policy
NRES 426 Renewable Energy Policy
NRES 429 Aquatic Ecosystem Conservation
NRES 438 Soil Nutrient Cycling
NRES 439 Env and Sustainable Dev
NRES 471 Pedology
NRES 474 Soil and Water Conservation
NRES 477 Introduction to Remote Sensing
NRES 488 Soil Fertility and Fertilizers

At least one of:
UP 405 Watershed Ecology and Planning
UP 406 Urban Ecology
UP 446 Sustainable Planning Seminar
UP 466 Energy & the Built Environment
UP 480 Sustainable Design Principles

May select from the below list to achieve 18 hours:
AGCM 330 Environmental Communications
ECE 482 Digital IC Design
CEE 320 Construction Engineering
CEE 330 Environmental Engineering
CPSC 215 The Prairie and Bioenergy
CPSC 336 Tomorrow's Environment
CPSC 415 Bioenergy Crops
Program Relationships

Corresponding Program(s):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPSC 416</td>
<td>Native Plants, Pollinators, &amp; Food Ecosystems</td>
<td></td>
</tr>
<tr>
<td>CPSC 431</td>
<td>Plants and Global Change</td>
<td></td>
</tr>
<tr>
<td>CPSC 437</td>
<td>Principles of Agroecology</td>
<td></td>
</tr>
<tr>
<td>ESE 465</td>
<td>Transportation &amp; Sustainability</td>
<td></td>
</tr>
<tr>
<td>ESE 482</td>
<td>Challenges of Sustainability</td>
<td></td>
</tr>
<tr>
<td>GLBL 201</td>
<td>Energy Systems</td>
<td></td>
</tr>
</tbody>
</table>

Program Features

Academic Level: Undergraduate

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

changing rubric from TSM to ETMA

Budget

Are there budgetary implications for

No
this revision?
Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
    No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?
    There will be no budgetary obligations due to this curriculum revision for the revised TSM program. The curriculum revision will be carried out with existing resources.

Will the unit need to seek campus or other external resources?
    No

Attach letters of support

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?
    No

Technology

Will the program need additional technology beyond what is currently available for the unit?
    No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?
    No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources
Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

The concentration does not necessitate the hiring of additional instructors or faculty, nor does it require additional resources with regard to equipment of instructional facilities. All of the courses being added to the TSM core or the concentrations already have capacity to accommodate any additional students that may take them as a result of the proposed changes. Thus, ABE department will not need to create additional capacity to resource the proposed program, nor will it need to cease support of other functions or programs.

This concentration should not have any significant impact on the enrollment in other units.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

No impact is anticipated.

EP Documentation

EP Control Number
EP.22.068

Attach Rollback/Approval Notices
This proposal requires HLC inquiry No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name
Energy and the Environment

Program Code: 6005

Minor Code 6028

Degree Code BS

Major Code

Senate Approval Date

Senate Conference Approval Date
Program Reviewer Comments

Emily Stuby (eastuby) (01/13/22 3:28 pm): Removing old DMI documentation.

Kathy Martensen (kmartens) (01/18/22 3:19 pm): Administrative approval: No change to total hours; doesn't restrict student choice.

Kathy Martensen (kmartens) (01/19/22 11:49 am): Administrative approval: Does not change total required hours; doesn't restrict student choice.
Program Change Request

In Workflow
1. U Program Review
2. 1306 Head
3. KL Committee Chair
4. KL Dean
5. University Librarian
6. Provost
7. Senate EPC
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path
1. 01/12/22 2:25 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 01/12/22 2:45 pm
   Anna Ball (aball):
   Approved for 1306 Head
3. 01/13/22 9:02 am
   Brianna Gregg (bjgray2):
   Approved for KL Committee Chair
4. 01/18/22 12:26 pm
   Anna Ball (aball):
   Approved for KL Dean
5. 01/18/22 12:28 pm
   John Wilkin (jpwilkin):
   Approved for

Viewing: **4031: Agricultural, Consumer, and Environmental Sciences Minor**

Last approved: 02/26/20 6:22 pm
Last edit: 01/19/22 11:54 am
Changes proposed by: Brianna Gregg

Catalog Pages 
Using this Program

International Minor in Agricultural, Consumer, & Environmental Sciences

Proposal Type:

Date Submitted: 01/11/22 11:05 am

Viewing: **4031: Agricultural, Consumer, and Environmental Sciences Minor**

Last approved: 02/26/20 6:22 pm
Last edit: 01/19/22 11:54 am
Changes proposed by: Brianna Gregg

Catalog Pages 
Using this Program

International Minor in Agricultural, Consumer, & Environmental Sciences

Proposal Type:
Minor (ex. European Union Studies)

This proposal is
for a:
Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program Name</th>
<th>Agricultural, Consumer, and Environmental Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsor College Name</td>
<td>Agr, Consumer, &amp; Env Sciences</td>
</tr>
<tr>
<td>Sponsor Department</td>
<td>Agricultural, Consumer and Environmental Sciences</td>
</tr>
<tr>
<td>Sponsor Name</td>
<td>Ali Freter  Robert Chappell</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:freter1@illinois.edu">freter1@illinois.edu</a>  <a href="mailto:rchappel@illinois.edu">rchappel@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:bjgray2@illinois.edu">bjgray2@illinois.edu</a></td>
</tr>
</tbody>
</table>

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. **Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.**

Does this program have inter-departmental administration?

No
Proposal Title

Effective Catalog Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the undergraduate minor in Agricultural, Consumer, and Environmental Sciences

Curricula update: Geography & GIS rubric change

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?

Degree Requirements tables are being updated with new GGIS course rubric (previously GEOG)

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

There is no impact to the annual number of degrees awarded or enrollment.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals
for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400-level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs

Attach a side-by-side comparison with the existing program
AND, if the revision references or adds ”chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACE 251</td>
<td>The World Food Economy</td>
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</tr>
<tr>
<td>ACE 411</td>
<td>Environment and Development</td>
<td></td>
</tr>
<tr>
<td>ACE 435</td>
<td>Global Agribusiness Management</td>
<td></td>
</tr>
<tr>
<td>ACE 451</td>
<td>Agriculture in Intl Dev</td>
<td></td>
</tr>
<tr>
<td>ACE 455</td>
<td>International Trade in Food and Agriculture</td>
<td></td>
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<tr>
<td>AGCM 320</td>
<td>Course AGCM 320 Not Found</td>
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<tr>
<td>AGCM 420</td>
<td>Public Information Campaigns</td>
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<tr>
<td>ANTH 262</td>
<td>Women's Lives</td>
<td></td>
</tr>
<tr>
<td>BADM 380</td>
<td>International Business</td>
<td></td>
</tr>
<tr>
<td>BADM 381</td>
<td>Multinational Management</td>
<td></td>
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<tr>
<td>BADM 382</td>
<td>International Marketing</td>
<td></td>
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<tr>
<td>ECON 420</td>
<td>International Economics</td>
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<tr>
<td>ECON 450</td>
<td>Development Economics</td>
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<td>FIN 451</td>
<td>Intl Financial Markets</td>
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<td>GEOG 204</td>
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<td>GEOG 210</td>
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<tr>
<td>GEOG 410</td>
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<tr>
<td>GGIS 204</td>
<td>Cities of the World</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>--------</td>
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<td>-------</td>
</tr>
<tr>
<td>GGIS 210</td>
<td>Social &amp; Environmental Issues</td>
<td></td>
</tr>
<tr>
<td>GGIS 410</td>
<td>Green Development</td>
<td></td>
</tr>
<tr>
<td>HDFS 220</td>
<td>Families in Global Perspective</td>
<td></td>
</tr>
<tr>
<td>HIST 258</td>
<td>20thC World to Midcentury</td>
<td></td>
</tr>
<tr>
<td>HIST 259</td>
<td>20thC World from Midcentury</td>
<td></td>
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<tr>
<td>NRES 287</td>
<td>Environment and Society</td>
<td></td>
</tr>
<tr>
<td>PS 241</td>
<td>Comp Politics in Dev Nations</td>
<td></td>
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<td>PS 280</td>
<td>Intro to Intl Relations</td>
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<td>PS 382</td>
<td>Intl Political Economy</td>
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<td>PS 389</td>
<td>International Communications</td>
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<td>REL 110</td>
<td>World Religions</td>
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<tr>
<td>UP 423</td>
<td>Community Development in the Global South</td>
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</table>

Global Study in the Natural Science Disciplines
Minimum of 3 hours, maximum of 9 hours, selected from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ANSC 205</td>
<td>World Animal Resources</td>
</tr>
<tr>
<td>ATMS 140</td>
<td>Climate and Global Change</td>
</tr>
<tr>
<td>CPSC 116</td>
<td>The Global Food Production Web</td>
</tr>
<tr>
<td>CPSC 431</td>
<td>Plants and Global Change</td>
</tr>
<tr>
<td>NRES 109</td>
<td>Global Environmental Issues</td>
</tr>
<tr>
<td>PLPA 200</td>
<td>Plants, Pathogens, and People</td>
</tr>
<tr>
<td>TSM 311</td>
<td>Course TSM 311 Not Found</td>
</tr>
<tr>
<td>ETMA 311</td>
<td>Humanity in the Food Web</td>
</tr>
</tbody>
</table>

Regional Specialization
The following four approaches/options can be used (separately or in combinations) to complete this portion of the minor.

Academic credit earned through study or supervised activities outside the U.S. through:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACES 293</td>
<td>International Internship</td>
</tr>
<tr>
<td>ACES 298</td>
<td>International Experience</td>
</tr>
<tr>
<td>ACES 299</td>
<td>ACES Study Abroad</td>
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</tbody>
</table>

Completion of one or more of the following courses offered by the Department of Agricultural and Consumer Economics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ACE 254</td>
<td>Economic Systems in Africa</td>
</tr>
<tr>
<td>ACE 452</td>
<td>The Latin American Economies</td>
</tr>
<tr>
<td>ACE 454</td>
<td>Econ Dev of Tropical Africa</td>
</tr>
</tbody>
</table>

Completion of courses that are approved by Area Studies Programs (see minor advisor)

Center for African Studies
Center for East Asian and Pacific Studies
Center for Latin American and Caribbean Studies
Program in South Asian and Middle Eastern Studies
European Union Center

Foreign language courses that exceed College of ACES graduation requirements.

Total Hours 21
Is this minor?
   An interdisciplinary study focusing on a single theme
Is This a Teacher Certification Program?
   No
Will specialized accreditation be sought for this program?
   No
Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?
   No

Delivery Method
This program is available:
   On Campus - Students are required to be on campus, they may take some online courses.

Enrollment
Will the department limit enrollment to the minor?
   No
Describe how the department will monitor the admission to/enrollment in the minor.
   N/A
Are there any prerequisites for the proposed minor?
   No
Describe how this revision will impact enrollment and degrees awarded.
   There is no impact to the annual number of degrees awarded or enrollment.

Budget
Are there budgetary implications for this revision?
   No
Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
   No

Additional Budget Information
Attach File(s)
Financial Resources
How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?
   No

Attach letters of support

Resource Implications

Facilities
Will the program require new or additional facilities or significant improvements to already existing facilities?
   No

Technology
Will the program need additional technology beyond what is currently available for the unit?
   No

Non-Technical Resources
Will the program require additional supplies, services or equipment (non-technical)?
   No

Resources
For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Library Resources
Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.
   Current collections and services are adequate for the proposed program.

EP Documentation
EP Control Number
EP.22.068

Attach Rollback/Approval
Notices
This proposal requires HLC inquiry

DMI Documentation
Attach Final Approval Notices

Banner/Codebook Name
International Minor in ACES

Program Code: 4031

Minor Code: 4031 Conc Code Degree Code

Senate Approval Date
Senate Conference Approval Date

BOT Approval Date
IBHE Approval Date

HLC Approval Date
Effective Date:

Attached Document
Justification for this request

Program Reviewer Comments
Kathy Martensen (kmartens) (01/19/22 11:53 am): Administrative approval: Does not change total hours; doesn't restrict student choice.

Key: 90
Program Change Request

Date Submitted: 01/11/22 11:07 am

Viewing: **5290: Spatial and Quantitative Methods in Natural Resources and Environmental Sciences Minor, UG**

Last approved: 03/12/21 2:23 pm

Last edit: 01/19/22 12:01 pm

Changes proposed by: Brianna Gregg

Proposal Type:

**Spatial & Quantitative Methods in Natural Resources & Environmental Sciences Minor**

Catalog Pages Using this Program

In Workflow

1. **U Program Review**
2. **1875 Committee Chair**
3. **1875 Head**
4. **KL Committee Chair**
5. **KL Dean**
6. **University Librarian**
7. **Provost**
8. **Senate EPC**
9. Senate
10. **U Senate Conf**
11. **Board of Trustees**
12. IBHE
13. **HLC**
14. **DMI**

Approval Path

1. 01/12/22 2:26 pm
   Deb Forgacs (dforgacs): Approved for U Program Review
2. 01/12/22 3:09 pm
   James Miller (jrmillr): Approved for 1875 Committee Chair
3. 01/12/22 3:50 pm
   Robert Schooley (schooley): Approved for 1875 Head
4. 01/13/22 9:02 am
   Brianna Gregg (bjgray2): Approved for KL Committee Chair
5. 01/18/22 12:26 pm
Minor (ex. European Union Studies)

This proposal is for a:
Revision

Administration Details

Official Program | Spatial and Quantitative Methods in Natural Resources and Environmental Sciences Minor, UG
Name
Sponsor College | Agr, Consumer, & Env Sciences
Department
Sponsor Name | Jim Miller, Professor and Chair of the NRES Courses and Curriculum Committee
Sponsor Email | jrmillr@illinois.edu
College Contact | Tony Yannarell, Associate Professor and Chair of the ACES Courses and Curriculum Committee
College Contact Email | acyann@illinois.edu
College Budget

History

1. Oct 15, 2020 by Susan Helmink (shelmink)
2. Mar 12, 2021 by Deb Forgacs (dforgacs)
Officer
College Budget
Officer Email

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. *Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.*

Does this program have inter-departmental administration?
  No

**Proposal Title**

- **Effective Catalog**: Fall 2022

Provide a brief, concise description (not justification) of your proposal.

- Administrative approval to revise the undergraduate minor in Spatial and Quantitative Methods in Natural Resources and Environmental Sciences

  Curricula update: Geography & GIS rubric change

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

**Program Justification**

Why are these changes necessary?

- Degree Requirements tables are being updated with new GGIS course rubric (previously GEOG)

**Instructional Resources**

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

  No

Does the program include other courses/subjects impacted by the creation/revision of this program?

  No

**Program Regulation and Assessment**
Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

All subject areas/courses in the minor have been selected because they specifically address the learning objectives of the minor. We therefore intend to use student performance in these courses as benchmarks to ensure that students have achieved these educational goals. All courses in Natural Resources and Environmental Sciences regularly undergo peer-review assessments, and we will continue this practice for all courses in the minor.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses“ (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs

Attach a side-by-side comparison with the existing program

AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab
The Spatial and Quantitative Methods in Natural Resources and Environmental Sciences minor is ideal for students in NRES and allied fields seeking preparation for careers requiring skills in geographic information systems, statistics, research design, and/or mathematical modeling. This minor is open to students in all majors and is especially relevant for those pursuing a major related to natural resource and environmental issues who want to distinguish themselves with more advanced analytical skills. In order to be eligible to declare this minor, a student must have successfully completed:
1. MATH 220, 221 or 234
2. ACE 261, CPSC 241, ECON 202, PSYC 235, SOC 280 or STAT 100

The minor requires the completion of an additional 18 hours of coursework selected from the following list. Students must earn credit for at least three hours in each of the three categories. At least six hours of 400-level courses must be distinct from any credit earned for the student's major, concentration, and any other minor.

### Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRES 340</td>
<td>Environ Social Sci Res Meth</td>
<td>3-4</td>
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<td>NRES 421</td>
<td>Quantitative Methods in NRES</td>
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<td>CPSC 440</td>
<td>Applied Statistical Methods I</td>
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<td>NRES 445</td>
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<td>Intermediate Social Statistics</td>
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<td>STAT 200</td>
<td>Statistical Analysis</td>
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<td>NRES 401</td>
<td>Watershed Hydrology</td>
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<td>NRES 402</td>
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<td>Watersheds and Water Quality</td>
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<td>Introduction to Spatial Analytics</td>
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<td>NRES 454</td>
<td>GIS in Natural Resource Mgmt</td>
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<td>Adv GIS for Nat Res Planning</td>
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<td>NRES 465</td>
<td>Landscape Ecology</td>
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Program Features

Academic Level Undergraduate

Is this minor?
- An interdisciplinary study focusing on a single theme

Is This a Teacher Certification Program?
- No

Will specialized accreditation be sought for this program?
- No

Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?
- No

Delivery Method

This program is available:
- On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?
- No

Describe how the department will monitor the admission to/enrollment in the minor.

Students complete the Statement of Intent to Pursue a Campus-Approved Minor form as well as an NRES Department form declaring their intent to pursue the minor. Once the forms are complete, students meet with the NRES Academic Advising Coordinator for review/discussion and to obtain signatures on the forms.
Are there any prerequisites for the proposed minor?
Yes

List the prerequisites including course titles and number of credit hours for each prerequisite course, and whether or not these prerequisites count in the total hours required for the minor.

Prerequisites:
1. (4-5 hours) One of MATH 220 - Calculus, MATH 221 - Calculus I, or MATH 234 - Calculus for Business
2. (3-4 hours) One of ACE 261 - Applied Statistical Methods, CPSC 241 - Intro to Applied Statistics, ECON 202 - Economic Statistics I, PSYC 235 - Intro to Statistics, SOC 280 - Intro to Social Statistics, or STAT 100 - Statistics

The prerequisites do not count toward the total hours required for the minor.

Describe how this revision will impact enrollment and degrees awarded.

There is no impact to the annual number of degrees awarded or enrollment.

Budget

Are there budgetary implications for this revision?
No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
No

Additional Budget Information
Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?
These changes only impact courses currently offered, so we do not anticipate any financial costs to this revision.

Will the unit need to seek campus or other external resources?
No

Attach letters of support

Resource Implications

Facilities
Will the program require new or additional facilities or significant improvements to already existing facilities?
   No

Technology

Will the program need additional technology beyond what is currently available for the unit?
   No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?
   No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

   Current collections and services are adequate for the proposed program.

EP Documentation

<table>
<thead>
<tr>
<th>EP Control Number</th>
<th>EP.22.068</th>
</tr>
</thead>
</table>

Attach Rollback/Approval Notices

This proposal requires HLC inquiry
   No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name

Spatial and Quantitative Methods in Natural Resources and Environmental Sciences

Program Code: 5290
Program Reviewer Comments

Kathy Martensen (kmartens) (01/19/22 12:00 pm): Administrative approval:
Does not change total hours required or restrict student choice.

Key: 88
Program Change Request

Date Submitted: 01/11/22 3:45 pm

Viewing: 5587 : Geography & Geographic Information Science Minor, UG

Last approved: 04/16/21 12:49 pm
Last edit: 01/19/22 1:27 pm
Changes proposed by: Beth McKown

Catalog Pages
Using this Program

Proposal Type:

Geography & Geographic Information Science Minor

In Workflow
1. U Program Review
2. 1872 Head
3. SESE Head
4. KV Dean
5. University Librarian
6. Provost
7. Senate EPC
8. Senate
9. U Senate Conf
10. Board of Trustees
11. IBHE
12. HLC
13. DMI

Approval Path
1. 01/12/22 2:28 pm
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 01/12/22 7:43 pm
   Shaowen Wang (shaowen):
   Approved for 1872 Head
3. 01/12/22 8:35 pm
   Jonathan Tomkin (tomkin):
   Approved for SESE Head
4. 01/17/22 10:45 am
   Stephen Downie (sdownie):
   Approved for KV Dean
5. 01/17/22 11:01 am
   John Wilkin (jpwilkin):
Minor (ex. European Union Studies)

This proposal is for a:
Revision

Administration Details

<table>
<thead>
<tr>
<th>Official Program</th>
<th>Geography &amp; Geographic Information Science Minor, UG</th>
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<tr>
<td>Sponsor College</td>
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<td>Sponsor Name</td>
<td>Shaowen Wang, Professor and Department Head</td>
</tr>
<tr>
<td>Sponsor Email</td>
<td><a href="mailto:shaowen@illinois.edu">shaowen@illinois.edu</a></td>
</tr>
<tr>
<td>College Contact</td>
<td><strong>Stephen R. Downie</strong> Kelly Ritter</td>
</tr>
<tr>
<td>College Contact Email</td>
<td><a href="mailto:sdownie@illinois.edu">sdownie@illinois.edu</a></td>
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</table>

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. **Purpose:** List here who will do the editing work if proposal needs rolled back. And any other stakeholders.

Does this program have inter-departmental administration?
Proposal Title

Effective Catalog Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Administrative update to revise the undergraduate minor in GGIS

Curricula update to the Geography & Geographic Information Science Minor, UG

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?

Updating rubric GEOG to GGIS effective Fall 2022

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

No impact anticipated.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals
An undergraduate minor should consist of at least 16 - and no more than 21 hours - of course work, with at least 6 hours of 300- or 400- level courses. Except clearly remedial offerings, prerequisite courses within the sponsoring unit count towards the total; prerequisite courses outside the sponsoring unit do not count toward this total. The unit sponsoring the minor and that unit's college may set educationally necessary prerequisites for eligibility for the minor within these constraints. Does this proposal meet these criteria?

Yes

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs

Attach a side-by-side comparison with the existing program

AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Statement for Programs of Study Catalog

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<td>Global Development &amp; Environment</td>
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<td>GGIS 103</td>
<td>Earth's Physical Systems</td>
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<td>Social and Cultural Geography</td>
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<td>Transportation &amp; Sustainability</td>
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<td>GGIS 466</td>
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One course in physical/environmental geography, selected from the following: 3

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<td>Big Rivers of the World</td>
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<td>Ecohydraulics</td>
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<td>Climate &amp; Social Vulnerability</td>
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One course in geographic information science, selected from the following: 3
Program Features

Academic Level Undergraduate

Is this minor?
A Comprehensive study in a single discipline

Is This a Teacher Certification Program?
No

Will specialized accreditation be sought for this program?
No

Other than certification via the students’ degree audits, is there any additional planned mechanism to award/honor successful completion of the minor?

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<td>Digital Cartography &amp; Map Design</td>
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<td>GGIS 480</td>
<td>Principles of Geographic Information Science</td>
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One 200-400 level course selected from any of the above. 3
Total Hours 18
At least 6 hours total must be at the 300 or 400 level.
Delivery Method

This program is available:
On Campus - Students are required to be on campus, they may take some online courses.

Enrollment

Will the department limit enrollment to the minor?
No

Describe how the department will monitor the admission to/enrollment in the minor.
No impact anticipated.

Are there any prerequisites for the proposed minor?
No

Describe how this revision will impact enrollment and degrees awarded.
No impact anticipated.

Budget

Are there budgetary implications for this revision?
No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?
No impact anticipated.

Will the unit need to seek campus or other external resources?
No

Attach letters of support
Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?
   No

Technology

Will the program need additional technology beyond what is currently available for the unit?
   No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?
   No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

   Current collections and services are adequate for the proposed program.

EP Documentation

   EP Control Number: EP.22.068

   Attach Rollback/Approval Notices

   This proposal does not require HLC inquiry

DMI Documentation

Attach Final Approval Notices
Banner/Codebook Name

Geography & Geographic Information Science

Program Code: 5587

Minor Code 5587
Conc Code
Degree Code
Major Code

Senate Approval Date

Senate Conference Approval Date

BOT Approval Date

IBHE Approval Date

HLC Approval Date

Effective Date:

Attached Document

Justification for this request

Program Reviewer Comments

Kathy Martensen (kmartens) (01/19/22 1:26 pm): Administrative approval: No change to total hours required; doesn’t restrict student choice.

Key: 489
Proposal for revised curricula (degree, major, concentration, minor)

Submit completed proposals via email to Associate Dean Kelly Ritter (riterk@illinois.edu). Please obtain Executive Officer and School Director (if applicable) approval via email and forward with the proposal to LAS.

Proposal Title: Add GEOG 254 to the list of elective courses for the Human Geography BA concentration.

Proposed effective date: Fall 2021

Sponsor(s): Shaowen Wang, Professor and Department Head, shaowen@illinois.edu

College contact: Kelly Ritter, Associate Dean for Curricula and Academic Policy, College of Liberal Arts and Sciences, ritterk@illinois.edu

PROGRAM DESCRIPTION and JUSTIFICATION

1) Provide a brief description but concise description of your proposal.

This proposal is to add GEOG 254 – American People, Places, and Environments as an elective course in the following degree programs:
10KV5330BALA - Geography & Geographic Information Science, BALAS, Human Geography Concentration (3884)
5887 – Geography & Geographic Information Science Minor

2) Provide a justification of the program

Human Geography concentration: GEOG 254 examines core issues in cultural, economic, and population geography as related to regional geographies and ethnic/racial population groups in the United States, and thus it fits well as an elective course in the human geography concentration.

Minor: For the same reason, we would like to add this course to the Human Geography course options in the GGIS minor.
10KV5330BALA - Geography & Geographic Information Science, BALAS, Human Concentration (3884)

**PROPOSED:**

Only addition is adding GEOG 254 which is highlighted below

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-to 400-level Geography and Geographic Information Science courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following:</td>
<td>25-27</td>
<td></td>
</tr>
<tr>
<td>GEOG 204</td>
<td>Cities of the World</td>
<td></td>
</tr>
<tr>
<td>GEOG 205</td>
<td>Business Location Decisions</td>
<td></td>
</tr>
<tr>
<td>GEOG 210</td>
<td>Social &amp; Environmental Issues</td>
<td></td>
</tr>
<tr>
<td>GEOG 224</td>
<td>Geog Patterns of Illinois</td>
<td></td>
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<tr>
<td><strong>GEOG 254</strong></td>
<td><strong>American People, Places, and Environments</strong></td>
<td></td>
</tr>
<tr>
<td>SOC 280</td>
<td>Intro to Social Statistics</td>
<td></td>
</tr>
<tr>
<td>NRES/GEOG 287</td>
<td>Environment and Society</td>
<td></td>
</tr>
<tr>
<td>GEOG 350</td>
<td>Sustainability and the City</td>
<td></td>
</tr>
<tr>
<td>GEOG 356</td>
<td>Sustainable Development in South Asia</td>
<td></td>
</tr>
<tr>
<td>ESE 320/GEOG 370</td>
<td>Water Planet, Water Crisis</td>
<td></td>
</tr>
<tr>
<td>GEOG 371</td>
<td>Spatial Analysis</td>
<td></td>
</tr>
<tr>
<td>GEOG 384</td>
<td>Population Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 390</td>
<td>Individual Study</td>
<td></td>
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<tr>
<td>GEOG 391</td>
<td>Honors Individual Study</td>
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<tr>
<td>GEOG 405</td>
<td>Geography Field Course</td>
<td></td>
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<tr>
<td>GEOG 410</td>
<td>Green Development</td>
<td></td>
</tr>
<tr>
<td>GEOG 412</td>
<td>Geospatial Tech &amp; Society</td>
<td></td>
</tr>
<tr>
<td>LA 427</td>
<td>Amer Vernacular Cultural Land</td>
<td></td>
</tr>
<tr>
<td>GEOG 438</td>
<td>Geography of Health Care</td>
<td></td>
</tr>
<tr>
<td>PATH/GEOG 439</td>
<td>Health Applications of GIS</td>
<td></td>
</tr>
<tr>
<td>UP/GEOG 446</td>
<td>Sustainable Planning Seminar</td>
<td></td>
</tr>
<tr>
<td>GEOG 455</td>
<td>Geog of Sub-Saharan Africa</td>
<td></td>
</tr>
<tr>
<td>GEOG 465</td>
<td>Transportation &amp; Sustainability</td>
<td></td>
</tr>
<tr>
<td>GEOG 466</td>
<td>Environmental Policy</td>
<td></td>
</tr>
<tr>
<td>GEOG 471</td>
<td>Recent Trends in Geog Thought</td>
<td></td>
</tr>
<tr>
<td>GEOG 473</td>
<td>Digital Cartography &amp; Map Design</td>
<td></td>
</tr>
<tr>
<td>GEOG 477</td>
<td>Introduction to Remote Sensing</td>
<td></td>
</tr>
<tr>
<td>ESE/GEOG 482</td>
<td>Challenges of Sustainability</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Title</td>
<td>Hours</td>
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<tr>
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</tr>
<tr>
<td>GEOG 483</td>
<td>Urban Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 496</td>
<td>Climate &amp; Social Vulnerability</td>
<td></td>
</tr>
</tbody>
</table>
Geography & GIScience Minor (Banner Code 5587)

PROPOSED:

Only addition is adding GEOG 254 which is highlighted below

Two courses selected from the following:

- **ATMS/GEOG 100**  Introduction to Meteorology
- **GEOG 101**  Global Development & Environment
- **GEOG 103**  Earth's Physical Systems
- **GEOG 104**  Social and Cultural Geography
- **GEOG 105**  The Digital Earth
- **GEOG 106**  Geographies of Globalization
- **GEOG 221**  Geographies of Global Conflict

One course in human geography, selected from the following:

- **GEOG 204**  Cities of the World
- **GEOG 205**  Business Location Decisions
- **GEOG 224**  Geog Patterns of Illinois
- **GEOG 254**  *American People, Places, and Environments*
- **GEOG 350**  Sustainability and the City
- **GEOG 356**  Sustainable Development in South Asia
- **GEOG 384**  Population Geography
- **GEOG 405**  Geography Field Course
- **GEOG 410**  Green Development
- **GEOG 438**  Geography of Health Care
- **GEOG 455**  Geog of Sub-Saharan Africa
- **GEOG 465**  Transportation & Sustainability
- **GEOG 466**  Environmental Policy
- **GEOG 471**  Recent Trends in Geog Thought
- **GEOG 483**  Urban Geography
- **GEOG 484**  Cities, Crime, and Space

One course in physical/environmental geography, selected from the following:

- **GEOG 210**  Social & Environmental Issues
- **GEOG 222**  Big Rivers of the World
- **ESE 320**  Water Planet, Water Crisis
- **NRES/GEOG 401**  Watershed Hydrology
- **GEOG 405**  Geography Field Course
- **GEOG 406**  Fluvial Geomorphology
- **GEOG 408**  Humans and River Systems
- **GEOG 412**  Geospatial Tech & Society
GEOG 459     Ecohydraulics
GEOG 496     Climate & Social Vulnerability

One course in geographic information science, selected from the following:  3

GEOG 371     Spatial Analysis
GEOG 379     Intro to GIS Systems
GEOG 380     GIS II: Spatial Prob Solving
GEOG 412     Geospatial Tech & Society
GEOG 440     Business Applications of GIS
PATH 439     Health Applications of GIS
GEOG 460     Aerial Photo Analysis
GEOG 468     Biological Modeling
GEOG 473     Digital Cartography & Map Design
GEOG 476     Applied GIS to Environ Studies
GEOG 477     Introduction to Remote Sensing
GEOG 478     Techniques of Remote Sensing
GEOG 479     Advanced Topics in GIS
GEOG 480     Principles of GIS

One 200-400 level course selected from any of the above.  3

Total Hours  18

At least 6 hours total must be at the 300 or 400 level.
Program Change Request

Date Submitted: 01/11/22 11:09 am

Viewing: **5685 : Natural Resources & Environmental Sciences: Environmental Science & Management, BS**

Last approved: 06/12/20 11:20 am
Last edit: 01/19/22 1:55 pm
Changes proposed by: Brianna Gregg

Catalog Pages
Using this Program

### Natural Resources & Environmental Sciences: Environmental Science & Management, BS

### Proposal Type:

<table>
<thead>
<tr>
<th>Approval Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 01/12/22 2:14 pm Deb Forgacs (dforgacs): Approved for U Program Review</td>
</tr>
<tr>
<td>2. 01/12/22 3:09 pm James Miller (jrmillr): Approved for 1875 Committee Chair</td>
</tr>
<tr>
<td>3. 01/12/22 3:51 pm Robert Schooley (schooley): Approved for 1875 Head</td>
</tr>
<tr>
<td>4. 01/13/22 9:02 am Brianna Gregg (bjgray2): Approved for KL Committee Chair</td>
</tr>
<tr>
<td>5. 01/18/22 12:26 pm</td>
</tr>
</tbody>
</table>

In Workflow

1. U Program Review
2. 1875 Committee Chair
3. 1875 Head
4. KL Committee Chair
5. KL Dean
6. University Librarian
7. Provost
8. Senate EPC
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI
Concentration (ex. Dietetics)

This proposal is for a:
- Revision

Administration Details

- **Official Program**: Natural Resources & Environmental Sciences: Environmental Science & Management, BS
- **Sponsor College**: Agr, Consumer, & Env Sciences
- **Sponsor Department**: Natural Res & Env Science
- **Sponsor Name**: Jim Miller, Professor and Chair of the NRES Courses and Curriculum Committee
- **Sponsor Email**: jrmillr@illinois.edu
- **College Contact**: Tony Yannarell, Associate Professor and Chair of the ACES Courses and Curriculum Committee
- **College Contact Email**: acyann@illinois.edu
Proposed Title

Effective Catalog  Fall 2022
Term

Provide a brief, concise description (not justification) of your proposal.

Administrative approval to revise the Environmental Science & Management concentration within the BS in NRES

Curricula update: Geography & GIS rubric change

List here any related proposals/revisions and their keys. Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).

Program Justification

Why are these changes necessary?

Degree Requirements tables are being updated with new GGIS course rubric (previously GEOG)

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment
Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

All subject areas/courses in the major have been selected because they specifically address the learning objectives of the major. We therefore intend to use student performance in these courses as benchmarks to ensure that students have achieved these educational goals. All courses in Natural Resources and Environmental Sciences regularly undergo peer-review assessments, and we will continue this practice for all courses in the major.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

“Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses” (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs Attach a side-by-side comparison with the existing program AND, if the revision references or adds “chose-from” lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

No changes

Statement for Programs of Study Catalog

Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRES 351</td>
<td>Introduction to Environmental Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>NRES 402</td>
<td>Ecohydrology and Water Management</td>
<td>3</td>
</tr>
<tr>
<td>or NRES 401</td>
<td>Watershed Hydrology</td>
<td></td>
</tr>
<tr>
<td>NRES 475</td>
<td>Environmental Microbiology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Concentration Elective Requirements</td>
<td></td>
</tr>
<tr>
<td>Two Soil and Water Science Courses</td>
<td>6-8</td>
<td></td>
</tr>
<tr>
<td>NRES 429</td>
<td>Aquatic Ecosystem Conservation</td>
<td></td>
</tr>
<tr>
<td>NRES 471</td>
<td>Pedology</td>
<td></td>
</tr>
</tbody>
</table>
### Program Relationships

**Corresponding Program(s):**

<table>
<thead>
<tr>
<th>Corresponding Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Resources &amp; Environmental Sciences, BS</td>
</tr>
</tbody>
</table>

### Program Features

**Academic Level**

Undergraduate

**Is This a Teacher Certification Program?**

No

**Will specialized accreditation be sought for this program?**

No

**Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)**

### Delivery Method
This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

**Enrollment**

Describe how this revision will impact enrollment and degrees awarded.

There is no impact to the annual number of degrees awarded or enrollment.

**Budget**

- Are there budgetary implications for this revision? Yes
- Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available? Yes

**Financial Resources**

- How does the unit intend to financially support this proposal? These changes only impact courses currently offered, so we do not anticipate any financial costs to this revision.
- Will the unit need to seek campus or other external resources? Yes

**Resource Implications**

**Facilities**

- Will the program require new or additional facilities or significant improvements to already existing facilities? Yes

**Technology**

- Will the program need additional technology beyond what is currently available for the unit? Yes
Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact on unit.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number EP.22.068

Attach Rollback/Approval Notices

This proposal requires HLC inquiry No

DMI Documentation

Attach Final Approval Notices

Banner/Codebook Name Environmental Science and Management

Program Code: 5685

Minor Code 0051

Conc Code 5685

Degree Code BS

Major Code

5685
Senate Approval Date
Senate Conference Approval Date
BOT Approval Date
IBHE Approval Date
HLC Approval Date
Effective Date:

Attached Document
Justification for this request

Program Reviewer Comments

Kathy Martensen (kmartens) (01/19/22 1:54 pm): Administrative approval: Does not change total hours; doesn't restrict student choice.

Key: 632