

Attachment A

CIM Report Aug 14, 2019 1:42pm

Program Changes Pending Approval from Graduate Committee

Code	Field	Old Value	New Value
GEOGMS	Scheduled Program Review Date	Spring 2024	2020-2021

<p>Description and justification of the request</p>	<p>Removed general description from requirements. </p>	<p>1) Original wording suggested the student should draw 6 hours of quantitative/ computational electives from a lengthy list of such courses across campus, and that they could draw from other courses as approved by a Chair-appointed committee; this proposed change eliminates this lengthy list (which is too difficult to maintain in the catalog) and specifies that the 6 hours of quantitative/ computational electives must be approved by the MS Geography student's master's advisory committee. 2) Instead of GEOS 5333 Research Methods and Materials in Geography, GEOS 5612 Research Methods in Geosciences is proposed as part of the required core (now 6 hours instead of 7). 3) Department no longer accepts "department application" which is vague (all application materials go through Graduate School. 4) Very minor changes to description to keep wording consistent (e.g., "MS instead of "M.S."), and adjustment of table of courses showing all of the requirements adding up to 30. 1) While the original approval for electives is reasonable, it makes more sense for the student to make curricular determinations in close consultation with his or her MS Geography master's advisory committee (which is already tasked with supporting the student's curricular decision making process). This can make the approval process more tailored to the student's background and interests, and leverages the existing structure and forms required by the Graduate School. 2) The department made a decision last year to offer one 2-hour research methods course for both MS Geography and MS Geology students, and this change reflects that evolution. 3) The wording on "department application" was vague and students have been confused about the process; currently the department simply reviews the application materials submitted to the Graduate School. 4) Other minor changes for consistency in wording and completeness of course list. \\n\\nWe understand that the Faculty Senate may only consider minor program changes once per year (in December). However, request for approval in the Fall 2019 Catalog of Studies allows nine months to approve. A delay until Fall 2020 (21 months to approve) may result in students and faculty having unclear information about GEOGMS. The department advisory board is currently raising 450K GeoVision funds specifically targeted to benefit future GEOGMS students, and this effort should coincide with accurate information in the catalog as soon as is reasonably possible. Thank you very much for considering these minor changes and for any assistance you can provide to ensure they can be included in the Fall 2019 catalog.</p>
<p>Description and Justification for this request</p>	<p>Removed general description from requirements. </p>	
<p>Effective Catalog Year</p>	<p>Fall 2017</p>	<p>Fall 2020</p>

	Program Goals and Objectives	The goal of the MS Geography is to prepare students for doctoral research or employment in geography or related disciplines. The program will help students develop expertise in key areas of geography. These include physical, environmental, human, and regional studies, as well as cartography, remote sensing, photogrammetry, and computational aspects of geographic information science (GIS) or geoinformatics.	The goal of the MS Geography is to prepare students for doctoral research or employment in geography or related disciplines. The program will help students develop expertise in key areas of geography. These include physical, environmental, human, and regional studies, as well as cartography, remote sensing, photogrammetry, and computational aspects of geographic information science (GIScience).
	Track(s) - Action		Action
	Focused Stud(y/ies) - Action		Action
	What are the total hours needed to complete the program?		30
	Reviewer Comments		rcc003 - Wed, 06 Feb 2019 16:17:28 GMT - Changed effective date to Fall 2020. agriffin - Fri, 12 Apr 2019 14:26:23 GMT - Changed scheduled program review date based on the scheduled published in the APS 1620.11.
MATEMS	Degree	Master of Science	Master of Science in Materials Engineering
	Program Title	Microelectronics-Photonics, Master of Science	Materials Engineering, Master of Science in Materials Engineering
	Estimated Student Demand for Program	35	40
	Scheduled Program Review Date	2020	2020-2021
	Select a reason for this modification	Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding/ changing Focused Study or Track)	Reconfiguring an Existing Degree—(LON)
	Are you adding a concentration?	No	Yes
	Program Code	MEPHMS	MATEMS
	CIP Code	Materials Chemistry.	Materials Engineering.
	Effective Catalog Year	Spring 2015	Fall 2020
	Program Goals and Objectives	Clarification of curriculum requirements for students entering the program in the spring semester.	1. Provide students with interdisciplinary education and training in materials science and engineering to meet the needs of emerging technology industries.\n\n2. Place students in interdisciplinary groups performing rigorous and challenging research to prepare them for careers in industrial research teams, national labs, and academic positions.\n\n3. Prepare students to be effective in technology management and entrepreneurship.\n\n

	Learning Outcomes	No change	<p>1. Conduct independent investigations in an interdisciplinary environment, expanding the breadth and depth of state-of-the-art knowledge in the field of materials, materials processing, and devices enabled by advances in materials. \n\n2. Master knowledge, practices, and skills from traditional graduate level programs in Physics, Chemistry, Electrical Engineering, Chemical Engineering, Mechanical Engineering, Biological Engineering, and Biomedical Engineering, regardless of prior traditional educational background.\n\n3. Communicate effectively deep level knowledge of their work to persons well-versed in their field, detailed technical concepts to persons with strong technical backgrounds outside of their field, and general concepts and applications to the general public.\n\n4. Work efficiently in interdisciplinary team environments, fully supporting team goals through active membership or through team leadership as appropriate.\n\n5. Implement intellectual property management and research commercialization processes, encouraging migration of ideas from formulation to societal benefit during their professional careers. \n\n6. Execute duties found in entry-level professional positions with the operational skills equivalent to at least one year's experience in that position.\n\n</p>
	Is this program interdisciplinary?	No	Yes
	Description and justification of the request	Correcting Undergraduate listing of course to Graduate listing of course.	<p>Reconfiguration of the Microelectronics-Photonics MS program into the MS in Materials Engineering (MATEMS) programs and MS in Materials Science (MATSMS).\n\nA separate CIM block will need to be created for the MS in Material Science curriculum. Also, each concentration listed above will need to be created for both the MATEMS and the MATSMS as well. Program has developed with a clear focus on materials science and engineering which is a nationally recognized degree. Given a world-class materials research building and facilities, faculty trained in materials and research on materials, the marketability of our graduates can be improved by granting them degrees in Materials Science and Materials Engineering. With an established track record (grants, MS graduates produced, publications, facilities, etc.), the program should soon be recognized as a top national program. This will further attract top students and faculty, result in more research funding, and garner increased interest from industry</p>
	Department Code Concentration(s):	Department of Graduate Dean (GRSD)	<p>Materials Science and Engineering (MSEN) ADD NSMD Nanoscale Materials Devices ADD MPMD Microelectronic-Photonic Materials Devices ADD ENMD Energy Materials Devices ADD BIMD Biological Materials Devices ADD MAMO Materials Modeling ADD MSTM Mechanical Structural Materials</p>
	Track(s) - Action		Action

	Focused Stud(y/ies) - Action		Action
	College(s)/School(s)		ARSC ENGR
	What are the total hours needed to complete the program?		33
	Upload attachments		MEPHMS - Reconfiguration - Curriculum.docx MEPHMS - Reconfiguration - Ltr of Notification.pdf
	Reviewer Comments		<p>agriffin - Wed, 03 Jul 2019 18:22:07 GMT - Attention Registrar Staff: No new students admitted into the MEPHMS after summer 2020. Allow students in MEPHMS program to complete through summer 2025.</p> <p>agriffin - Wed, 03 Jul 2019 19:19:22 GMT - Updated course titles in program requirements.</p> <p>agriffin - Mon, 08 Jul 2019 18:31:03 GMT - Entered "9" to reflect hours in the Materials Modeling concentration.</p> <p>agriffin - Mon, 08 Jul 2019 19:08:59 GMT - Hyper-linked courses in program requirements where appropriate.</p> <p>agriffin - Mon, 08 Jul 2019 19:13:51 GMT - Inserted course titles into parts of the program requirements.</p> <p>agriffin - Fri, 12 Jul 2019 18:33:04 GMT - Revised curriculum format in consultation with submitter. Renamed documents to match BOT naming convention.</p> <p>agriffin - Fri, 12 Jul 2019 18:34:00 GMT - A separate CIM block will need to be created for the MS in Material Science curriculum. Also, each concentration listed above will need to be created for both the MATEMS and the MATSMS as well.</p> <p>ggunderm - Mon, 15 Jul 2019 21:03:52 GMT - CIP (14.1801) matches MSENPH, approved.</p> <p>rickwise - Wed, 17 Jul 2019 14:58:41 GMT - Added the requirement of student learning outcomes in course syllabi.</p>
MGMTPH	Effective Catalog Year	Summer 2014	Fall 2020
	Phone:		54622
	Type of proposal		Major/Field of Study
	Select a reason for this modification		Revising Curriculum of an Existing Certificate or Degree Program--(LON)
	Track(s) - Action		Action
	Focused Stud(y/ies) - Action		Action
	Program Delivery Method		On Campus
	Does this proposal impact any courses from another College/School?	No	Yes
	College(s)/School(s)		ARSC EDUC
	What are the total hours needed to complete the program?		61
	Are Similar Programs available in the area?		No
	Estimated Student Demand for Program		n/a
	Scheduled Program Review Date		n/a

Program Goals and Objectives		n/a
Learning Outcomes		n/a
Description and justification of the request		<p>- Add text describing the program (program requirements)\n- Add WCOB 6111, Seminar in Business Administration Teaching I to the required course list and change from 12 hours to 13 hours\n- Clarify and add the following Supporting Fields courses:\nChoose four courses from the following:\nPSYC 5063 Advanced Social Psychology\nPSYC 6373 Seminar: Personality Social Psychology\nWLLC 575V Special Investigations\nSCMT 6443 Supply Chain Management Theory\nISYS 6833 Theory Development\nMGMT 6011 Graduate Colloquium\nMGMT 636V Special Problems in Management*\n- Clarify and add the following Research Requirements courses:\nResearch Requirements (18 hours)\nResearch methods courses can include the below options or equivalent courses as approved by the PhD coordinator.\nMGMT 6213 Seminar in Research Methods*\nChoose six hours from the following:\nMKTG 6433 Seminar in Research Methods\nISYS 6423 Structural Equation Modeling\nPSYC 5133 Inferential Statistics\nPSYC 5143 Advanced Descriptive Statistics\nCOMM 5173 Qualitative Methods\nPADM 5803 Quantitative Methods Analysis\nPUBP 6143 Mixed Method Research Design\nPSYC 6343 Seminar in Quantitative Methods (MLM using R)\nISYS 6733 Emerging Topics (Qualitative Quantitative Methods)\nESRM 6533 Qualitative Research\nISYS 5723 Advanced Multivariate Research\nPLSC 5943 Advanced Research Methods\nESRM 6423 Multiple Regression Techniques for Education\nMGMT 636V Special Problems in Management**\n*repeatable for twelve hours total within the degree program\n- Added 18 hours of dissertation (MGMT 700V, Doctoral Dissertation)\n- Changed the language from comprehensive examinations to candidacy examinations and deleted detail\n- Clarified total hour requirements\n- Clarified minimum of 72 graduate hours beyond the bachelors and 42 graduate hours beyond the master's degree.\n To align and clarify PhD program requirements to meet ADHE standards.</p>
Upload attachments		MGMTPH - Curriculum Revision - Curriculum.docx MGMTPH - Curriculum Revision - Ltr of Notification.pdf

	Reviewer Comments		<p>agriffin - Mon, 18 Mar 2019 18:17:43 GMT - Changed six to five courses in the research requirements section with permission from the submitter.</p> <p>agriffin - Mon, 18 Mar 2019 18:30:49 GMT - Revised LON to include ADHE degree code and official program name. Attached revised copy of curriculum. Renamed document to match BOT naming convention.</p> <p>lkulcza - Thu, 06 Jun 2019 00:28:07 GMT - MGMT 636V is currently an existing course.</p> <p>agriffin - Mon, 08 Jul 2019 21:22:35 GMT - In curriculum document, changed "choose five hours" to "choose five courses". Also updated course titles to match titles listed in CourseLeaf. Renamed document to match BOT naming convention.</p>
MKTGPH	Select a reason for this modification	Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding/ changing Focused Study or Track)	Reconfiguring an Existing Degree—(LON)
	Effective Catalog Year	Fall 2018	Fall 2020
	What are the total hours needed to complete the program?	60	60-61
	Scheduled Program Review Date	NA	2021-2022
	Description and justification of the request	Removed description portion of text To match usage in other parts of the catalog.	- Modified text describing the program\\n- Add MKTG 6413, Special Topics in Marketing and MKTG 636V, Special Problems in Marketing to the required courses instead of the marketing tools\\n- Add WCOB 6111, Seminar in Business Administration Teaching I to the required courses\\n- Delete ISYS 6333, Individual-level Research in IS from the required courses.\\n- Add Supporting Field course requirement to the course requirements\\n- Changed the language from comprehensive examinations to candidacy examinations\\n- Clarified total hour requirements\\n- Clarified minimum of 72 graduate hours beyond the bachelors and 42 graduate hours beyond the master's degree.\\n To align and clarify PhD program requirements to meet ADHE standards.
	Upload attachments		MKTGPH - Curriculum Revision - Curriculum.docx MKTGPH - Curriculum Revision - Ltr of Notification.pdf
	Reviewer Comments		<p>agriffin - Fri, 08 Mar 2019 17:48:03 GMT - Reformatted program requirements so the required hours would appear more clearly in the course list.</p> <p>agriffin - Fri, 08 Mar 2019 17:51:18 GMT - Inserted scheduled program review date.</p> <p>agriffin - Mon, 18 Mar 2019 19:29:50 GMT - Updated program title in LON and renamed document to match BOT naming convention.</p>
MSENP	Program Code	MEPHPH	MSENP
	Program Title	Microelectronics-Photonics, Doctor of Philosophy	Materials Science Engineering, Doctor of Philosophy
	CIP Code	Materials Chemistry.	Materials Engineering.
	Effective Catalog Year	Summer 2014	Fall 2020
	Department Code	Department of Graduate Dean (GRSD)	Materials Science and Engineering (MSEN)
	User ID:		rickwise
	Phone:		575-2875

Type of proposal		Major/Field of Study
Select a reason for this modification		Reconfiguring an Existing Degree—(LON)
Track(s) - Action		Action
Focused Stud(y/ies) - Action		Action
Program Delivery Method		On Campus
Is this program interdisciplinary?	No	Yes
College(s)/School(s)		ARSC ENGR
What are the total hours needed to complete the program?		48
Are Similar Programs available in the area?		No
Estimated Student Demand for Program		40
Scheduled Program Review Date		2020-2021
Program Goals and Objectives		1. Provide students with interdisciplinary education and training in materials science engineering to meet the needs of emerging technology industries.\n\n2. Place students in interdisciplinary groups performing rigorous and challenging research to prepare them for careers in industrial research teams, national labs, and academic positions.\n\n3. Prepare students to be effective in technology management and entrepreneurship.\n\n

	Learning Outcomes	<p>1. Define and explore new areas of research in an interdisciplinary environment, expanding the breadth and depth of state-of-the-art knowledge in the field of materials, materials processing, and devices enabled by advances in materials. \n\n2. Master knowledge, practices, and skills from traditional graduate level programs in Physics, Chemistry, Electrical Engineering, Chemical Engineering, Mechanical Engineering, Biological Engineering, and Biomedical Engineering, regardless of prior traditional educational background.\n\n3. Communicate effectively deep level knowledge of their work to persons well-versed in their field, detailed technical concepts to persons with strong technical backgrounds outside of their field, and general concepts and applications to the general public.\n\n4. Work efficiently in interdisciplinary team environments, fully supporting team goals through active membership or through team leadership as appropriate.\n\n5. Implement intellectual property management and research commercialization processes, encouraging migration of ideas from formulation to societal benefit during their professional careers. \n\n6. Execute duties found in entry-level professional positions with the operational skills equivalent to at least one year's experience in that position.\n\n7. Embrace the role of citizen-scientist in both their professional and societal communities, utilizing their sound ethical and analytical backgrounds, to lead the discussions that will be needed to balance what can be done with what should be done.\n\n</p>
	Description and justification of the request	<p>Reconfiguration of the Microelectronics-Photonics PhD program into the PhD in Materials Science Engineering. Program has developed with a clear focus on materials science and engineering which is a nationally recognized degree. Given a world-class materials research building and facilities, faculty trained in materials and research on materials, the marketability of our graduates can be improved by granting them degrees in Materials Science Engineering. With an established track record (grants, PhDs produced, publications, facilities, etc.), the program should soon be recognized as a top national program. This will further attract top students and faculty, result in more research funding, and garner increased interest from industry.</p>
	Upload attachments	<p>MSENPB - Reconfig - Ltr of Notification.pdf MSENPB - Reconfig - Curriculum.pdf</p>

Reviewer Comments

agriffin - Wed, 03 Jul 2019 15:12:09 GMT - Attention Registrar Staff: No new students admitted into the MEPHPH after summer 2020. Allow students in MEPHPH program to complete through summer 2025.

agriffin - Wed, 03 Jul 2019 15:38:07 GMT - Updated LON and Curriculum in consultation with submitter.

ndennis - Tue, 16 Jul 2019 21:01:29 GMT - Added the requirement of student learning outcomes in course syllabi. Change the wording in candidacy exam requirements for non-UAF grads to four semesters "after admission to the PhD program"