

**Georgia Institute of Technology
Institute Undergraduate Curriculum Committee
2013-2014 Annual Report**

**Tuesday, October 21, 2014
3-5:00 p.m.**

Student Center Theater

Fall Meeting of the Faculty, Faculty Senate, & Academic Faculty Senate

Members: Roberta Berry (PUBP), Thanos Economou (ARCH), Mike Goodman (BIOL), Matt Higgins (Business), Laura Hollengreen (ARCH), Benjamin Klein (ECE), Michael Loss (MATH), Pete Ludovice (ChBE), Blair MacIntyre (CoC-IC), Rhett Mayor (ME), Reta Pikowsky (REG), Colin Potts (VP-Undergraduate Education), Mark Riedl (CoC-IC), George Riley (ECE), Lakshmi Sankar (AE), David Scott (CEE), Carol Senf (LMC), Jenny Singleton (PSYC), Marc Smith (ME), John Stein (ODOS), Francis Ulgado (Business), Wilkinson (CHEM & BIOCHEM), Yaszek (LMC), Meka (Undergraduate Student), Martha Grover (Executive Board Liaison)

Meetings: The IUCC held 23 meetings during the 2013-2014 academic year plus additional subcommittee meetings on focused topics (General Education and Study Abroad). The work of the Committee falls into four main categories (Curriculum Matters, Student Petitions, General Education, and Study Abroad). Activities in each of these areas are outlined below. The Curriculum Committees are no longer involved in the program review process.

Dr. Laura Hollengreen served as Chair of the Committee. Dr. Rhett Mayor served as Vice Chair of the Committee. Reta Pikowsky served as Secretary for the Committee.

Curriculum Items

Over the 2013-2014 academic year, the IUCC approved several modifications and additions to Georgia Tech's degrees, minors, certificates, and courses that carry Core attributes. Catalog policy changes were approved along with new courses and deactivation of courses.

Catalog Changes/Academic Policy Changes

- The following content was added to the Catalog to address how academic content is approved for distance learning and international sites.
 - Academic content delivered through distance learning is in accordance with the course descriptions as approved by the Institute Curriculum Committee. All courses require approval by the Institute Curriculum Committee and the Academic Senate. All offerings for academic credit delivered through the Division of Professional Education have been approved in this manner.
 - Academic content delivered at our international sites, such as GT-Lorraine and GT-Shenzhen, is in accordance with the course descriptions as approved by the Institute Curriculum Committee. All courses require approval by the Institute Curriculum Committee and

the Academic Senate regardless of where they are delivered. All study abroad programs are approved on a yearly basis by the by the Institute Undergraduate Curriculum Committee as recommended by the Study Abroad Subcommittee.

Administrative and Informational Items:

- The Committee discussed the operation, membership, and leadership of the Subcommittees and made some changes to ensure effective lines of communication to and from the IUCC to the Subcommittees and proper oversight of decisions.
- Procedures for recommendations from the General Education Subcommittee were specifically discussed to ensure that recommendations on courses for Core Attributes are handled efficiently.
- The Committee (December 2013) was debriefed on the current status of the X-degree conversation.
- A preview of a possible proposal for an Inclusive Post-Secondary Education Certificate was presented to the Committee.
- Approval of MATH 3670 as one of the electives to meet the Probability/Statistics Elective requirement for the Bachelor of Science in Electrical Engineering and the Bachelor of Science in Computer Engineering.

New Program Prospectus:

- Bachelor of Science in Music Technology

New BS/MS Degree:

- Degree Modification, New Track or Option, 5yr BS-MS in International Affairs Bachelor of Science in International Affairs

The intention behind this new degree is threefold:

- to better serve our students by providing a MS degree to highly-qualified INTA undergrads in half the time of our standard program (and therefore at half the cost). It would enable students who otherwise might not get a Master's degree to compete better on the job market. It would also get those who would pursue a MS degree into the job market a year earlier, reducing their opportunity costs.
- to improve the quality and increase the quantity of the MSIA candidate pool. Note also that, with increased student quality comes better job placement, more loyal alumni, and a better network for career/internship placement and policy-linkages.
- to meet increasingly vocal demand for 5-yr MS programs from INTA undergrads. The UG Director and Assistant Director report that interest in a 5yr BS/MS degree program is rising amongst INTA undergrads and could possibly extend to applicants to our UG program.

New Degree Option:

- Bachelor of Science in Architecture – Research Option

New Minors:

- Minor in Sports, Society, and Technology
- Minor in East Asian Studies
- Minor in Physics
- Minor in Physiology
- Minor in Global Development

New Certificates:

- Certificate in Biologically Inspired Design
- Certificate in Business Analytics
- Certificate of Social Growth, Academic Enrichment, and Vocational Exploration offered by the Interdisciplinary Inclusive Postsecondary Academy (IPA) at Georgia Tech

Deactivation of Certificates:

- Certificate in Software Engineering
CS 2335-Software Practicum, which is required for the certificate program, has not been offered since Spring 2010. We do not have any students currently enrolled in the software engineering certificate program.

Termination of Degrees:

Note: Some of these degrees were previously deactivated and are now being terminated. Some are the undesignated BS degrees that are a relic of the conversion process from quarters to semester and that are no longer in use. Because these degrees have not accepted or graduated students for some time but were nevertheless still on the roster, they contributed negatively to accounts of our degree productivity. It made sense to terminate them since in fact they were no longer active and had been superseded by the current Bachelor of Science degrees.

All relevant school chairs were contacted by the Chair of the IUCC to clarify the proposed action and the reasons for it.

Bachelor of Science in Applied Biology (Deactivated degree was renamed)
Bachelor of Science in Management Science (Deactivated)
Bachelor of Science in Polymer and Textile Chemistry
Bachelor of Science in Textiles Enterprise Management
Bachelor of Science with a major in Aerospace Engineering
Bachelor of Science with a major in Applied Mathematics
Bachelor of Science with a major in Biochemistry
Bachelor of Science with a major in Chemical and Biomolecular Engineering
Bachelor of Science with a major in Chemistry
Bachelor of Science with a major in Civil Engineering
Bachelor of Science with a major in Computer Science
Bachelor of Science with a major in Electrical Engineering

Bachelor of Science with a major in Industrial Engineering
Bachelor of Science with a major in Management
Bachelor of Science with a major in Mechanical Engineering
Bachelor of Science with a major in Nuclear and Radiological Engineering
Bachelor of Science with a major in Physics
Bachelor of Science with a major in Psychology
Bachelor of Science with a major in Textiles
Bachelor of Science with a major in Textile Science and Engineering (Deactivated)

Degree Modifications:

- **Bachelor of Science in Economics**

The key differences between the current program and the proposed new one are:

- ECON 1001 “Economics at Work” is a new course for 1 credit hour.
- ECON 2250 “Statistics for Economists” will replace MGT 2250.
- ECON majors would be required to take 12 hours of ECON electives instead of the current 9 hours.
- These changes will reduce the number of Free Electives from 20 credit hours to 16 credit hours.
- This is comparable to the Free Electives for other majors at Georgia Tech.

- **Bachelor of Science in Industrial Engineering**

- BSIE did not have Ethics requirement before.
- BSIE did not have GPA requirements on courses in the major
- Update curriculum to replace 4803’s with two permanent numbers that were previously approved:
 - Proposal 534, New Course, ISYE 4311: Capital Investment Analysis
 - Proposal 465, New Course, ISYE 4232: Advanced Stochastic Systems
- Add Environmental list to Catalog and Degreeworks.
 - Previously the Environmental requirement has been monitored at the School level and we would like this programmed into Degreeworks to monitor the requirement.

- **Bachelor of Science in Applied Linguistics and Intercultural Studies**

- The School of Modern Languages finds it necessary to limit the ML Electives for each language concentration—something that was not clear in the original ALIS degree proposal.
- The ML electives for each language concentration should only allow electives in the same language as the concentration, and only at the 3/4000-level, but currently, courses in other languages are being counted among the ML electives. This creates some confusion for advising. In addition, the current use of only ML courses to allow for completion of Core C-Humanities requirements is somewhat limiting, and we would like to be more consistent with Institute

policy allowing any course with the HUM attribute to satisfy this 6-hour requirement.

- Finally, the specific courses that can be used to satisfy particular threads within the ALIS major requirements need to be updated.

- **Bachelor of Science in Aerospace Engineering**

Key Differences:

- Pre-requisites have been reduced wherever possible, making it easier for the students to complete the required courses over an 8 semester sequence.
- Topical content and organization of the required *core* AE courses has been modified based on a fundamental skill set review.
- Math requirements have been increased by 3 hours (*Math Option*), acknowledging the need for math proficiency beyond Math 2403 in modern aerospace engineering practice.
- The number of required *core* AE course hours has been reduced, making room for 8 hours of AE options (combined with free electives and *Math option*, this increases the number of elective hours from 13 to 20). Students will use these *options* to broaden their knowledge or acquire in-depth knowledge in a chosen discipline or sector of AE. For advising purposes, suggested groupings of AE and Math Options will be provided to students so they can target various career and academic interests.
- The Introduction to AE class and lab classes have been reorganized into an integrated, interdisciplinary set of courses that provide hands-on experiences each year of the 4-year curriculum.
- Technical communication has been integrated into the AE curriculum, with a communication course tied to a sophomore-level, integrated lab class.

- **Bachelor of Science in Computer Science, Approaches to Intelligence Pick in the Intelligence Thread**

- The addition of CS 4650 (Natural Language Processing) and CS 4649 (Robot Intelligence) to the Approaches to Intelligence Pick in the Intelligence Thread.

- **Bachelor of Science in Earth and Atmospheric Sciences**

- Core Electives: Add more options to the core electives. The Core Electives were originally created to ensure a student takes courses in areas outside their specific focus. As the school has grown, we have expanded into Planetary and Ocean Sciences more substantially. We want to add more course options reflecting these new areas:
 - 4305 Physical and Chemical Oceanography
 - 4370 Physics of Planets
- We are also restructuring one of the core courses, 3620, Geochemistry, to be a separate lecture and lab so that students can choose to take just one. The new course is also being

- renamed to Environmental Geochemistry.
 - Updating EAS 3620 to EAS 4220/4221
 - Core Electives: We want to restructure the Core elective requirement to say that students must choose two of the course options in list A, plus at least one lab in list B.
 - EAS 3610, 4655, 4740, 4370, 4305, 4220
 - EAS 4656, EAS 4221
 - Core Electives: We are removing EAS 4641 from the Core Electives and now using 4656.
 - Capstone Courses: We want to have all EAS majors take two specific capstone courses. Currently, students can choose two of three options. Two of these courses are more computer based (EAS 4610 Earth System Modeling and EAS 4480 Environmental Data Analysis) and the other is very hands-on (EAS 4420 Environmental Field Methods). The requirement should be changed to specify EAS 4610 and EAS 4420.
- **Bachelor of Science in History, Technology, and Society**
 - **Note: This proposal was partially approved.** The first and third requests below were approved. The second request below was tabled because some of the courses in question have not yet made their way through the IUCC General Education Subcommittee. Once all the courses are approved, the proposal to add them as options in this program will be reconsidered.
 - First, HTS requests approval to modify the HTS degree to eliminate the requirement to take HTS 1001.
 - Second, HTS requests approval to modify the HTS degree to reflect new courses added to the HTS curriculum that will help fulfill major requirements, specifically the “Non-U.S.” and the “Science, Technology, and Medicine” requirements.
 - Third, HTS requests approval to modify the HTS degree to allow HTS4086 (Seminar in Health, Medicine, and Society) and HTS 4091 (Seminar in Global Studies) to count toward the seminar requirement.
- **Bachelor of Science in Computational Media**
 - Updating the CM degree requirements to reflect the sunseting of CS 3240 in the Intelligence Picks. Approved by the IUCC on July 23, 2013.
 - Updating the CM degree requirements to reflect adding both CS 4650 and 4649 to the Approaches to Intelligence Pick approved by the IUCC March 18, 2014.
 - The changes above have already been approved by the IUCC for the Intelligence thread in the BSCS degree so we need to approve the same changes for the BSCM degree since they share the Intelligence thread.
 - Updating the Game Studies thread with both CS Media and CS People threads to require CS 3600 (Intelligence already requires CS 3600.) CS 3600 should have been required by all Game Studies

threads since LMC 4731 and LMC 4732 require CS 3600 as a prerequisite in the “Game Studies” pick. This is correction of an administrative oversight.

- For the change above, 3 hours will be removed from the “CM or Media” area so they will change from 18 hours to 15 hours because CS 3600 will be required. This will affect both the Game Studies & People thread and Game Studies & Media thread combinations.
- **Bachelor of Science in Mechanical Engineering**
 - The changes requested are meant to strengthen the ME undergraduate curriculum by clarifying which courses can be used as Free Electives and modifying the pre-requisites to several classes. See April 15, 2014 Minutes for details.
- **Bachelor of Science in Computer Science**
 - Requesting to add CS 3311, CS 3312, LMC 3432, and LMC 3431 to the degree and delete CS 4911 and LMC /LMC 3403. The number of hours will remain the same. CS 3311 and 3312 will replace CS 4911 and LMC 3432 and 3431 will replace LMC 3403.
- **Bachelor of Science in Computer Science**
 - We are requesting moving CS 3220 from a “thread pick” to the core courses for the Systems & Architecture thread of the Computer Science Bachelor’s degree. Because of this change, the “thread pick” goes away and the other course that was in the “thread pick” moves to another thread pick.
- **Bachelor of Science in Electrical Engineering**
 - Modify the list of courses that can be used as a senior lab elective for the BSEE degree.
The current list is: ECE 4043 or ECE 4180 or ECE 4185 or ECE 4550 or (ECE 4445 and ECE 4881)
Change to: ECE 4043 or ECE 4180 or ECE 4185 or ECE 4446 or ECE 4452 or ECE 4502 or ECE 4550 or ECE 4612 or ECE 4752 or ECE 4881 or ECE 4884B
- **Bachelor of Science in Chemistry – Traditional and Business Concentrations**

Changes to Program:

 - a) Additional Major Requirements: Add CHEM 4695 (UG internship) to list of courses excluded. CHEM 4695 and 4699 are required in another category for the BS CHEM degree
 - Traditional track and Business track
 - b) Technical Electives: Add MATH 2403, Differential Equations, to Technical Electives for the BS CHEM traditional track only. Although not required, this will help

some students better prepare for CHEM 3412, Physical Chemistry II (Quantum Mechanics)

- **Bachelor of Science in Environmental Engineering**
 - Remove CEE 4300 from BSENVE as a required course.
 - Note: The pre-requisites for CEE 4300 were added to the list of courses for which CEE 4300 was itself a pre-requisite.
 - Add CEE 4300 to approved Technical Elective Focus and increase credit hours from 12 to 15.
 - This provides ENVE students with more options towards their Technical Elective Focus. Total hours for the degree remain the same at 129.
- **Bachelor of Science in Computer Science – Intelligence & Systems Arch Concentration**
 - Adding CS 3240 back as a course option with CS 4510 on the Intelligence and Systems Architecture concentration. This class was mistakenly removed because Systems and Architecture was no longer teaching it but it is still a course option for the Intelligence thread. Since we will be teaching CS 3240 again, the course needs to be added back. Students can either choose taking CS 3240 OR CS 4510.
- **Bachelor of Science in Biology**
 - The School of Biology is requesting to update information on the Biology degree program to reflect:
 - Changes to the names of classes required by the Biology major
 - Recently approved modifications to the Biology Quantitative Requirement.
 - These are not substantive changes to the content of the major.
 - A few class numbers and names were changed to better reflect the content of the courses:
 - MATH 1501 SB 'Calculus I' was changed to MATH 1503 'Calculus I for Life Sciences'
 - MATH 1502 SB 'Calculus II' was changed to MATH 1504 'Calculus II for Life Sciences'
 - BIOL 4450 'Senior Seminar' was changed to BIOL 4460 'Communicating Biological Research'
 - The Biology Quantitative Requirement was recently amended to provide more rigor by allowing only the following classes to count towards the requirement: BIOL 2400 Mathematical Models in Biology or BIOL 4150 Genomics & Applied Bioinformatics or BIOL 4401 Experimental Design & Biostatistics.

Minor Modifications:

- Law, Science, and Technology Minor (Special Topics course received a permanent number.)
- Minor in Chemistry
 - Add CHEM 4113 (3 credits) as a course elective.
- Minor in Energy Systems

- Add CHEM 4113 (3 credits) as a course elective.
- Minor in Energy Systems
(ISYE requests to join the Energy Systems minor)
- Minor in Engineering and Management
 - Rename to: Minor in Engineering and Business
- Minor in Computing and Management
 - Rename to Minor in Computing and Business
- Minor in Leadership Studies
 - Changing the name of one of the tracks in this minor from Management Track to Business Track

Certificate Modifications:

- Pre-Law Certificate (Special Topics course received a permanent number.)
- Change name of Certificate in Land Development to Certificate in Real Estate Development
- Certificate in Applied Physiology
 - Add 2 new courses that are required (APPH 3753 and APPH 3755) in place of a single required course (APPH 3751) that is no longer being taught. There are also new courses available in APPH that we have added to the pick list of electives to select.

Course Number Corrections/Changes:

- When LMC changed to LMC subject codes, two new courses were also created:
 - LMC 2800: Introduction to Literature, Media and Communication
 - LMC 2850: Seminar in Literature, Media, and Communication

Since X8XX numbers are reserved for Special Topics, these numbers must be changed before the courses are taught. The numbers will be changed to:

- LMC 2800 will be LMC 2000
- LMC 2850 will be LMC 2050
- LMC 3401 to 3431
LMC 3402 to 3432
Rationale:
 - On the March 11th minutes, two new LMC courses were created.
 - LMC 3401: Technical Communication Approaches
 - LMC 3402: Technical Communication Strategies
 - This numbering pattern cannot be used since the LMC 3402 number has previously been used as LMC 3402: Graphic and Visual Design. This was an oversight in processing this request. It does not represent a problem for student records because the new courses have not been taught as yet.

New Courses Approved:

- AE 1601: Introduction to Aerospace Engineering 0-3-1
- AE 2010: Thermodynamics and Fluids Fundamentals 4-0-4
- AE 2610: Introduction to Experimental Methods in Aerospace 4-0-4

- AE 2611: Technical Communications for Aerospace Engineers 1-0-1
- AE 3030: Aerodynamics 4-0-4
- AE 3140: Structural Analysis 3-0-3
- AE 3330: Aerospace Vehicle Performance 3-0-3
- AE 3340: Design and Systems Engineering Methods 2-0-2
- AE 3530: System Dynamics and Vibration 3-0-3
- AE 3531: Control System Analysis and Design 3-0-3
- AE 3610: Experiments in Fluid and Solid Mechanics 1-3-2
- AE 4341: Aircraft Design 2-3-3
- AE 4342: Space System Design 2-3-3
- AE 4343: Rotorcraft Design 2-3-3
- AE 4531: Aircraft Flight Dynamics 3-0-3
- AE 4532: Spacecraft Flight Dynamics 3-0-3
- AE 4610: Dynamics and Control Laboratory 1-3-2
- APPH 3000: Survey of Medicine 3-0-3
- APPH 2500: Introduction to Sport Science 3-0-3
- BIOL 4012: Protein Biology 3-0-3
- BIOL 4460: Communicating Biological Research 3-0-3
- CEE 4340: Environmental Modeling and Health Risk Analysis 3-0-3
- CHEM 4113: Inorganic Chemistry – Energy Conversion 3-0-3
- COS 2000: Introduction to Research 1-0-1
- CS 2345: Advanced Practical 0-0 Programming 3-3-4
- CS 3311: Project Design 1-0-1
- CS 3312: Design Implementation 2-0-2
- EAS 4220: Environmental Geochemistry 3-0-3
- EAS 4221: Environmental Geochemistry Lab 0-3-1
- EAS 4305: Physics & Chemistry of the Oceans 3-0-3
- ECE 4446: Audio Engineering Laboratory 0-3-1
- ECE 4452: Integrated Circuit Fabrication 2-3-3
- ECE 4502: Optical Fiber Communications 3-3-4
- ECE 4612: Telecommunications Systems Laboratory 0-3-1
- ECE 1010: Introduction to ECE Design 1-3-2
- ECE 3150: VLSI and Advanced Digital Design 3-3-4
- ECE 4122: Advanced Programming Techniques 2-3-3
for Engineering Applications
- ECE 4181: Embedded Computing Systems 3-3-4
- ECE 4350: Electromagnetic and Microwave Applications 3-0-3
- ECE 4563: Game Theory and Multiagent Systems 3-0-3
- ECE 3710: Circuits and Electronics 3-0-3
- ECON 1001: Economics at Work 1-0-1
- ECON 2250: Statistics for Economists 3-0-3
- GT 2100: Seminar on Academic Success 1-0-1
(required of students readmitted after academic dismissal)
- HTS 3087: Foundations of Sports Studies 3-0-3
- INTA 3043: Space Policy 3-0-3
- INTA 1050: The World Today 3-0-3

- INTA 2042: Intro to Global WMD Issues 3-0-3
- INTA 2050: Introduction to Global Development 3-0-3
- INTA 2120: Intro to International Security 3-0-3
- INTA 2221: Politics of the European Union 3-0-3
- INTA 2241: Government, Politics and Society of Latin America 3-0-3
- INTA 2260: Government, Politics and Society of the Middle East 3-0-3
- INTA 3042: Energy and International Security 3-0-3
- INTA 3044: Global Politics of Technology 3-0-3
- INTA 3050: The Meaning of Global Citizenship 3-0-3
- INTA 3223: Transatlantic Relations 3-0-3
- INTA 3243: US-Latin American Relations 3-0-3
- INTA 4744: Global Development Capstone 3-0-3
- LMC 3401: Technical Communication Approaches 1-0-1
- LMC 3402: Technical Communication Strategies 2-0-2
- MATH 3771: Probability and Statistics with Applications 3-0-3
- MATH 1503: Calculus I for the Life Sciences 4-0-4
- MATH 1504: Calculus II for the Life Sciences 4-0-4
- ME 4405: Fundamentals of Mechatronics 2-3-3 (Replaces ME 4447)
- ME 4744: Global Development Capstone 3-0-3
- MGT 3745: Business Programming 3-0-3
- MGT 4117: Global Workforce Management 3-0-3
- MGT 4181: Business Forecasting 3-0-3
- MGT 4050 Business Analytics 3-0-3
- MGT 4341: Management of Healthcare Operations 3-0-3
 - Note: It was suggested that the abbreviation be changed to “Healthcare Ops.”
- MGT 4367: Revenue Analytics 3-0-3
- MGT 3614: Law for Entrepreneurs 3-0-3
- RUSS 4320: 19th Century Russian Writers 3-0-3
- RUSS 4335: Technology, Society, and Culture in the Soviet Union 3-0-3
- RUSS4380: Russian Culture in Exile 3-0-3
- RUSS 3005: Russian for Heritage Speakers 3-0-3
- SPAN 4694: Sustainability in Spain 3-0-3

New Courses Denied or Withdrawn:

- HTS 3060: Olympics in Asia 3-0-3 (Denied)
- HTS 3074: Culture and Sports 3-0-3 (Denied)
- RUSS 4222: Russian 20th Century in Literature and Film (Withdrawn)

Change in Course Title:

- RUSS 1250 Vampires and Memory of Stalinism in Post-Soviet Russia [transcript title – Vampires and Memory] 3-0-3
 Changed to: RUSS 1250: Vampires International-American and Russian Fiction and Films in Comparative Perspective [transcript title – Vampires International] 3-0-3

Deactivated Courses:

- MATH 3770: Statistics and Applications 4-0-4
- HTS 4002, 4003, 4004, 4005: Seminar in US History
- HTS 4012, 4013, 4014, 4015: Seminar in Sociology
- HTS 4032, 4033, 4034, 4035: Seminar in European History
- HTS 4062, 4063, 4064, 4065: Seminar in Asian History
- HTS 4082, 4083, 4084, 4085: Seminar in History of Technology
- MGT 4661: Database Management
- BIOL 4450: Senior Seminar

Courses Made Repeatable for Credit:

- HTS 4061 and HTS 4086

New Courses Requesting Core Attributes- Approved:

- **Social Science:**
 - HTS 2015: History of Sports in America 3-0-3
 - HTS 3022: Gender and Sports 3-0-3
 - HTS 3073: Sociology of Sports 3-0-3
 - HTS 3089: Science, Technology, and Sports 3-0-3
 - ARCH 3135: City Literacy 3-0-3
 - INTA 3043: Space Policy 3-0-3
 - INTA 3242: Soccer and Global Politics 3-0-3
 - HTS 3027: The Civil Rights Movement 3-0-3
 - HTS 3071: Sociology of Crime 3-0-3
 - HTS 3072: Sociology of Education 3-0-3
 - HTS 3088: Race, Medicine, and Science 3-0-3
 - PSYC 2005: Exploring Multicultural Identities 3-0-3
- **Social Science and Global Perspectives:**
 - INTA 2120: Intro to International Security 3-0-3
 - INTA 2221: Politics of the European Union 3-0-3
 - INTA 2260: Govt, Politics and Society of the Middle East 3-0-3
 - INTA 3042: Energy and International Security 3-0-3
 - INTA 3044: Global Politics of Technology 3-0-3
 - INTA 3050: The Meaning of Global Citizenship 3-0-3
 - INTA 3223: Transatlantic Relations 3-0-3
 - INTA 3243: US-Latin American Relations 3-0-3
 - INTA 2042: Intro to Global WMD Issues 3-0-3
 - INTA 2050: Introduction to Global Development 3-0-3
 - INTA 2241: Government, Politics and Society of Latin America 3-0-3
 - INTA 3260: Middle East Relations 3-0-3
 - INTA 1050: The World Today 3-0-3
- **Humanities:**
 - LMC 2850: Seminar in Literature, Media, and Communication 3-0-3
 - RUSS 1250: Vampires International 3-0-3
 - PERS 1001: Elementary Persian I 3-0-3 (On completion of PERS 1002)

- PERS 1002: Elementary Persian II 3-0-3
- LMC 3215: Science Fiction Film and Television 3-0-3
- LMC 3244: Modern and Contemporary British Poetry 3-0-3
- Humanities and Global Perspectives
 - RUSS 3350: Russian and American Mass Cultures
- Global Perspectives:
 - HTS 2800: Intro to the Hist of Disease and Medicine 3-0-3
 - HTS 3055: Globalization 3-0-3

New Courses Requesting Core Attributes- Denied :

- RUSS 2100: Intro to 19th Century Russian Culture 3-0-3 – HUMANITIES
- RUSS 2150: Intro to 20th and 21th Century Russian Culture 3-0-3 - HUMANITIES
- INTA 1050: The World Today - Social Science and Global Perspectives

New Courses Requesting Core Attributes –Tabled:

- RUSS 3300: Experiments on Humans in Russian and European Fiction and Film 3-0-3 – Humanities and Global Perspectives
- INTA 3773: Global Issues & Leadership

Existing Courses Requesting Core Attributes- Approved:

- LING 2100: Introduction to Linguistics – HUMANITIES
- SPAN 3101: Conversation I – GLOBAL PERSPECTIVES
- SPAN 3102: Conversation II – GLOBAL PERSPECTIVES
- HTS 3048: Modern Russian History – SOCIAL SCIENCE

Existing Courses Requesting Core Attributes – Tabled:

- HTS 2052: History of Colonial America – SOCIAL SCIENCE

Courses with Changed Pre-requisites or Co-requisites:

- Biol 4746 (Signaling Molecules)
 - Old: Biol 1510 OR Biol 1511 AND Chem 2311
 - New: (Biol 1510 OR Biol 1511) AND Chem 2311
 - Undergraduate Semester level and Minimum grade of D
 - JUSTIFICATION: Technical error made when entered into the catalogue.
- INTA 2100, 3102, 3104, 3120, 3131,3301, remove INTA 1110 as a prerequisite
- INTA 3203, remove INTA 1200 and 2010 as prerequisites
- PHYS 2211 - Introductory Physics I
 - Current: MATH 1502 (concurrency allowed)
 - Proposed: MATH 1501 (concurrency not allowed)
- CS 4235: Intro to Info Security
 - Remove CS 1301/1315/1371 prereq and add CS 2200
- CS 4210: Advanced Operating Systems
- OLD: CS 2200, NEW: CS 3210 with grade of C or higher

- **CS 4510: Automata and Complexity**
Current: CS 3510 or CS 3511. Add: MATH 3215, or MATH 3670 or MATH 3770 or ISYE 3770 or (ISYE 2027 and ISYE 2028).
- **CS 4540: Advanced Algorithms**
- **Current: CS 3510 or CS 3511. Add: MATH 3215, or MATH 3670 or MATH 3770 or ISYE 3770 or (ISYE 2027 and ISYE 2028).**
- **CS/LMC 4731: Game Artificial Intelligence**
- **Remove CS 1332 and add CS 3600**
- **CHBE 4510: Proc & Prof Design & Econ, CHBE 4520: Capstone ChBE Design, CHBE 4530: Capstone ChBE Bio-Design**
(See February 12, 2014 Minutes for chart.)
- **BIOL 4450 and 4590 – Delete co-requisites**
- **CEE courses – see March 18, 2014 Minutes for the chart**
- **ME 4182 – Capstone Design, ME 4011 – Internal Combustion Engines, and ME 3057 – Experimental Methods Laboratory** (See April 15, 2014 Minutes for details.)
- **CEE 4300, 4310, 4320, and 4395** (see July 22, 2014 Minutes for details)
- **CX courses, see July 22, 2014 Minutes for details.**
- **CS 3311 and 3312, see July 22, 1024 Minutes for details.**
- **BIOL courses, see August 12, 2014 Minutes for details.**

Updates to the International Plan

- **Add new Capstone and Country/Region courses to the IP program. The International Plan requires that all participants complete a culminating capstone course that integrates the international experiences into the student's major. Each participating academic unit must designate a course (or courses) to be used for the IP Capstone and seek approval from the International Plan Committee. In April 2013, the IP Committee voted to approve the following courses to serve as the Capstone courses for students majoring in Applied Languages & Intercultural Studies, Global Economics & Modern Languages, and International Affairs and Modern Languages:**
 - **CHIN 4500: Intercultural Seminar**
 - **FREN 4500: French Intercultural Capstone Seminar**
 - **GRMN 4500: Advanced Intercultural Seminar**
 - **JAPN 4500: Japanese Capstone Experience**
 - **RUSS 4500: Russian Intercultural Seminar**
 - **SPAN 4500: Intercultural Seminar in Spanish**
- **Georgia Tech's catalog contains a list of courses approved by the International Plan Committee (IPC) to satisfy International Plan (IP) globally-focused course requirements. IP students are asked to take one course from each of three categories: International Relations, Country/Region, and Global Economics, to satisfy these requirements. Periodically, the committee approves new courses for the list or removes courses from the list. We are asked to inform the UCC when changes occur.**

At the February 28, 2014 IPC meeting, the IPC approved the following two ECON courses to satisfy the Global Economics requirement and should be added to the IP's catalog list:

ECON 4411 – Economic Development

ECON 4415 – Conflicts & Security in Developing Countries

Both of these courses also satisfy the Social Science and Global Perspectives overlay requirements.

Student Petitions and Appeals: The IUCC acted on 278 petitions, reviewed 16 written appeals of denied petitions, and heard zero in-person appeals of a denied petition. Reviewed by the Registrar, under the authority of the Committee, were 411 petitions including requests such as readmission after the first drop, use of a “D” for a degree- acceptable grade when the second attempt of the course resulted in an F grade, and requests to return in the following term after withdrawing.

Of the 689 petitions that were acted on, 148 (21.5%) were denied. Of the 16 appeals, 4 (25%) were denied. Petitions that are handled administratively by the Registrar are sent on to the committee for regular processing only as needed.

2013-2014	278 petitions, 16 written appeals, 0 in-person appeals, 411 handled administratively (705)
2012-2013	353 petitions, 11 written appeals, 1 in-person appeals, 405 petitions handled administratively (770)
2011-2012	431 Petitions, 16 written appeals, 0 in-person appeals, 356 petitions handled administratively (787)
2010-2011	408 petitions, 18 written appeals, 5 in-person appeals, 312 petitions handled administratively (743)
2009-2010	481 petitions, 14 written appeals, 3 in-person appeals, 306 petitions handled administratively (804)
2008-2009	430 petitions, 11 appeals, 313 petitions handled administratively (754)
2007-2008	558 petitions, 11 appeals, 213 petitions handled administratively (882)
2006-2007	576 petitions, 36 appeals, 298 petitions handled administratively (910 total)
2006-2007	579 petitions, 21 appeals, 140 petitions handled administratively (740 total)

General Education Subcommittee:

Dr. Larry Bottomley, Chemistry, served as the Chair of the General Education Subcommittee during academic year 2013-2014. Carol Senf served as Secretary for the Subcommittee.

Committee Membership, as approved by the Executive Board:

General Education Subcommittee of the IUCC

Larry Bottomley (CHEM), Chair

Carol Senf (LMC), Secretary**

Rebecca Burnett (LMC)

Jon Gordon (Assessment)

Charles Isbell (COC)

Jennifer Leavey (COS)

Michael Loss (MATH)**

Caroline Noyes (Assessment)

Reta Pikowsky (Registrar)**

Colin Potts (Vice Provost)

Enid Steinbart (MATH)

John Tone (IAC)

Laura Hollengreen (ARCH)**

David Shook, MOD LANGs

George Riley, ECE**

Rhett Mayor, ME**

*Ann Laros (Registrar's Office)

*Wendy Merkousko

(Registrar's Office)

*Support staff from the Registrar's Office, non-voting members

**Current members of the IUCC

Meetings were held on August 26, 2013, October 1, 2013, October 9, 2013, November 13, 2013, December 12, 2013, January 17, 2014, March 4, 2014, April 29, 2014, and June 3, 2014.

The meeting on October 1, 2013 was a lunch meeting at which key stakeholders from around campus discussed assessment of learning outcomes in core courses. Challenges and opportunities were examined.

The special meeting on June 3, 2014 dealt with membership of the Subcommittee for the coming year and in the near future. There was discussion of cleaning up the Core area lists in the Catalog, assuming there are courses that have not been taught recently that could be taken off with no ill effects. The cycle of assessment review was discussed. Considerations to be taken into account when determining placement in the review cycle were laid out.

Areas addressed by the Subcommittee during the year included:

- Duties of the Committee
- Relationship of the Subcommittee with its parent, the IUCC
- Clarification of the course approval process

- Procedures as approved by the IUCC.
 - Subcommittee will make recommendations.
 - Decisions will be made by the IUCC.
 - Academic Senate approval is required of action items.
 - Submission to the Advisory Committee and/or General Education Council will occur as appropriate after the Academic Senate has approved IUCC actions.
- Interactions with System Academic Advisory Committees and the General Education Council
- Questions and observations from the Advisory Committees and the General Education Council about Tech's Core courses and proposals, including 3000-4000 level courses
- Removal of Special Topics courses and 4000-level courses from the Core areas (no new courses approved at the 4000-level; those already approved will be grandfathered in)
- The course assessment tool (created in 2008 to address ABET requirements, possibly being modified for our use)
- Music courses and how the Humanities credit is structured now, is there a better way?
- A report was prepared and reviewed on enrollments in Core areas C and E over the past 4 years (findings inconclusive, but indicate that more research needs to be done on these courses)
- The syllabi collection project that is on-going
- The syllabus template that contains all of the items that the Subcommittee will request
- Discussion of the upcoming SACs report and 10-year reaffirmation
- The SACs COC narratives related to General Education were discussed
- Courses, new and continuing seeking Core attributes

Study Abroad Subcommittee:

In 2013-14, the Study Abroad Subcommittee reviewed and approved proposals for 1 spring semester faculty-led study abroad program, 4 spring semester embedded study abroad programs, 27 summer faculty-led study abroad programs, and heard 0 student appeals. Four summer programs were cancelled due to low enrollment, and 1 of the embedded study abroad programs did not run due to contractual issues with the instructor. The Committee held two meetings during Fall Semester 2013, one meeting during Spring Semester 2014, and conducted the rest of its business by e-mail.

Submitted by:

Dr. Laura Hollengreen, College of Architecture
Chair, IUCC, 2013-2014