ACADEMIC SENATE

Tuesday, April 22, 2014
3:00-5:00 PM

Student Center Theater

Institute Undergraduate Curriculum Committee
Action Items and Minutes for Approval
Committee Chair & Vice Chair

Dr. Laura Hollengreen, ARCH, Chair
Dr. Rhett Mayor, ME, Vice-Chair
Action Items: March 11, 2014 Minutes

- School of City and Regional Planning
  - Certificate in Land Development name changed to Certificate in Real Estate Development
    - “Land development” is an overly narrow and less-than-current term that is not well understood by students and some potential employers. “Real Estate Development” more accurately reflects the intended market and proposed content of the certificate.
    - The key differences between the current and modified certificate include:
      1) increasing total required hours from 9 to 12 hours;
      2) increase the required core courses to two (out of three possible courses);
      3) update the curriculum to reflect the expanded real-estate-related courses available at the Institute.
School of Industrial and Systems Engineering

Degree modification – BS in Industrial Engineering

Specific Actions and Background:

- Add Ethics requirement to BSIE
  - The Advisory Board recommended that ISyE formalize the ethics requirement. This will signify the importance of ethics, and ensure the transfer students also satisfy the requirements.
- Add requirements GPA in required and elective ISYE courses >= 2.0
  - Some students graduated with GPA in major courses much below 2.0 because of multiple Ds or many Fs. A student with multiple Ds cannot be competent IEs.
- Update curriculum to replace 4803’s with two permanent numbers that were previously approved:
  - New Course, ISYE 4311: Capital Investment Analysis
  - New Course, ISYE 4232: Advanced Stochastic Systems
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- **School of Industrial and Systems Engineering**
  - Degree modification – BS in Industrial Engineering
    - 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.

- **School of Modern Languages**
  - Change in course title:
    - RUSS 1250: Vampires and Memory of Stalinism in Post-Soviet Russia 3-0-3
    - **Changed to:**
      - RUSS 1250: Vampires International--American and Russian Fiction and Films in Comparative Perspective 3-0-3
      - Note: This course has not yet been taught.
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• School of Modern Languages
  • New courses:
    • SPAN 4694: Sustainability in Spain 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
    • RUSS 4380: Russian Culture in Exile 3-0-3
  • Degree Modification – BS in Applied Language and Intercultural Studies
    • 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.
    • 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.
    • The specific courses that can be used to satisfy particular threads within the ALIS major requirements needs to be updated.
School of Modern Languages
  • Degree Modification – BS in Applied Language and Intercultural Studies
    • Thus, the three key differences with the new program will be:
      a) allowing any course with a HUM attribute to fulfill the HUM requirement;
      b) limiting courses that fulfill the ML electives to only 3/4000-level courses in the particular language concentration; and
      c) more accurately identifying the courses completing the individual threads of the ALIS requirements.

School of Aerospace Engineering
  • New courses:
    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
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• School of Aerospace Engineering
  • New courses:
    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
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- School of Aerospace Engineering
  - Degree modification – BS in Aerospace Engineering
    - The proposed degree modification involves no changes to the 45 hours of the curriculum associated with Institute Core areas A- E, and has the same total number of hours (132) as the previous curriculum.
    - The proposed modifications involve a small change to the 18 hours of Core F, and significant change to the Major requirements.
    - The proposed curriculum modification focuses on the 61 hours of AE, elective and technical communications courses in the Major requirements. This has been achieved with almost no change in the number of free elective credit hours (10 reduced to 9).
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- **School of Aerospace Engineering**
  - **Degree modification – BS in Aerospace Engineering**
    - Within this 61 credit allocation, the number of credit hours for courses that focus on the required topics (in the new curriculum terminology, these are the *AE core* courses) have been reduced to provide student flexibility in the selection of 8 hours of focused *AE options* courses and an additional Math course (*Math option*) to improve our students math proficiency.
    - In addition, an AE *core* course has been added to develop technical communication skills in the context of aerospace engineering.
    - In addition, the core courses have been redesigned and realigned in a logical fashion (including interdisciplinary courses) to focus on fundamental and required skill sets (*topics*). The degree requirements form includes more details.
School of Literature, Media, and Communication

New Minor - East Asian Studies

- Comprised of courses in history, political science, economics, languages, media, cinema, and literature, the interdisciplinary Ivan Allen College East Asian Studies minor connects study of China, Japan, and Korea and of Southeast Asia.
- East Asia plays a significant role in world politics and the global economy, and study of the region should be an integral part of a contemporary education.
- Through interdisciplinary study of history, politics, economics, literature, media, and languages in the regions of East Asia, and to a lesser extent Southeast Asia, students engage in comparative study of societies and values.
- This minor (jointly administered by Modern Languages and Literature, Media, and Communication) is designed for undergraduates who will enter a wide range of careers (engineering, science, business, public service, law, teaching, research, etc.).
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- **School of Literature, Media, and Communication**
  - **New Minor - East Asian Studies**
    - Nine of the fifteen hours must be at the 3000 level or above.
    - Courses must be taken from at least two schools in IAC.
    - At least one course presented for the minor must be a Chinese, Japanese, or Korean course offered by the School of Modern Languages from the list provided below or approved by a co-coordinator.
    - With the approval of a co-coordinator, a student may count one course taken outside Ivan Allen College of Liberal Arts toward the minor; if approved by a co-coordinator, this course may be taken at another university.
    - No more than three hours of special topic courses can be counted for the minor, and these courses must be approved by a co-coordinator.
School of Biology

New Certificate – Biologically Inspired Design

Biologically Inspired Design (BID) is a newly developing field that integrates biological knowledge with engineering practice in order to solve significant human challenges in a sustainable manner.

Our goal is to establish a certificate program for BID for biologists and other scientists, as well as engineers, designers and architects. These groups represent stakeholders and participants of BID as currently practiced in research and industry.

The program is designed to give students the ability to learn and apply biological principles in engineering and architectural design by working in multidisciplinary teams. This requires content knowledge, the ability to work across disciplines, problem identification skills, research skills, and interdisciplinary critical awareness.
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**School of Biology**
- **New Certificate – Biologically Inspired Design**
  - All students must take BIOL/ISyE/MSE/ME 4740-Bio-Inspired Design (prereqs of BIOL 1520 or BIOL 1521 or BIOL 3600 or BMED 3100 or PHYS 2211), a project-based course that requires student teams to apply biological principles to solve human challenges.
  - As per Certificate Program Guidelines, students need 12 units, and so must take 9 units from the following two lists, in addition to BIOL 4740.
  - Note that all of these courses are currently being taught.
  - No new courses will need to be developed.

**School of Literature, Media, and Communication**
- **New Courses**
  - LMC 3401: Technical Communication Approaches 1-0-1
  - LMC 3402: Technical Communication Strategies 2-0-2
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- School of Mechanical Engineering
  - New course
    - ME 4405: Fundamentals of Mechatronics 2-3-3
      - Note: This course replaces ME 4447.
School of Physics

New minor – Physics

A minor in physics is intended to provide an in-depth study of physics to non-physics majors entering into a global and diverse workforce where a multidisciplinary science and engineering background is increasingly common.

It will also serve those students who, through elective physics course studies, have developed a greater interest in the discipline, or who plan to enter graduate school in an area where a strong physics background is useful.

The objective of the minor is to strengthen the student’s knowledge of the fundamental physical concepts underlying all of modern science and engineering. The minor will help the student develop analytical problem-solving skills and reinforce their ability to engage in scientific thinking.

Student demand is determined, in part, from regular inquiries to the School of Physics. In a recent survey, undergraduate administrators across the College of Sciences, Colleges of Engineering and Computing, reacted positively to the proposed physics minor.
School of Physics

New minor – Physics

Curriculum

The physics minor will consist of 15 credit hours. The credits applied to the physics minor will include the following courses:

- Phys 2213 Introduction to Modern Physics (3 hours)
- Phys 3143 Quantum Mechanics I (3 hours)
- Phys 3201 Classical Mechanics I (3 hours) or Phys 3122 Electro & Magnetostatics (3 hours) or Phys 3141 Thermodynamics (3 hours)
- any 6 hours chosen from Physics 3000 and 4000 level courses.
- At most 3 hours of laboratory may be included among the 15 credit hours. A maximum of 3 hours of Special Topics may be included among the 15 credit hours. Special Problems and Undergraduate Research will not count towards the physics minor.

Grade Requirements: All courses counting towards the minor must be completed on a letter-grade basis, and earn a final grade of C or better.

Overlapping Courses: Courses taken to satisfy Core Areas A through E in the student’s major degree program may not be counted as coursework in the minor. Core Area F courses may be counted as coursework in the minor.

New Courses: No new courses will be added as part of this minor.
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- **Scheller College of Business and the College of Engineering**
  - **New courses**
    - MGT 3745: Business Programming 3-0-3
    - MGT 4117: Global Workforce Management 3-0-3
  - **Minor Modifications**
    - Rename the Minor in Engineering and Management to Minor in Engineering and Business

- **Scheller College of Business and the College of Computing**
  - Rename the Minor in Computing and Management to Minor in Computing and Business
    - Remove CS/MGT 4052 from the course requirements for the Minor in Computing and Business and replace it with CS/MGT 4057.
    - Remove CS 1316 from the course requirements for the Minor in Computing and Business and replace it with CS 4440 or CS 4420.
    - Include BSCM with College Computing and Ivan Allen as one of the existing major degree programs eligible to pursue a minor in Computing and Business.
• School of Civil and Environmental Engineering
  • New course
    • CEE 4340: Environmental Modeling and Health Risk Analysis 3-0-3

• College of Computing
  • Degree Modification – Bachelor of Science in Computer Science, Approaches to Intelligence Pick in the Intelligence Thread
    • We are requesting the addition of CS 4650 (Natural Language Processing) and CS 4649 (Robot Intelligence) to the Approaches to Intelligence Pick in the Intelligence Thread.
    • The Approaches to Intelligence Pick is designed to expose students to a variety of different techniques and philosophical approaches to various issues in Intelligence. One of the reasons we require students to take two courses in the pick, is so they are exposed to an actual variety of coursework. Both Natural Languages and Robot Intelligence represent a common but distinct approach to different problems in this space. Now that we have taught these courses consistently for a number of years and we can expect to be able to staff them for a number of years to come, the COC-UCC feels it is appropriate to include them on the list.
    • The only difference in the proposed new program is providing more choice on course options for students.
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- **School of Modern Languages**
  - Add Core attributes to existing courses
    - LING 2100: Introduction to Linguistics – HUMANITIES
    - SPAN 3101: Conversation I – GLOBAL PERSPECTIVES
    - SPAN 3102: Conversation II – GLOBAL PERSPECTIVES
  - New course
    - RUSS 3005: Russian for Heritage Speakers 3-0-3

- **School of International Affairs**
  - New course – With Core Attribute
    - INTA 3043: Space Policy 3-0-3 – Social Sciences
• School of Earth and Atmospheric Sciences
  • Degree modification
    • 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 our department has grown, we have expanded into Planetary and Ocean Sciences more substantially.
    • We want to add more course options reflecting these new areas for our students to explore.
      • Adding – 4305 Physical and Chemical Oceanography
      • Adding – 4370 Physics of Planets
    • We are also restructuring one of the core courses, 3620, Geochemistry, to be a separate lecture and lab (EAS 4220/4221) so that students can choose to take just one.
    • The new course is also being renamed Environmental Geochemistry.
School of Earth and Atmospheric Sciences

Degree modification

Core Electives: We want to restructure the Core elective requirement to say they need to choose two of the course options in A, plus at least one lab listed in 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. We currently have a selection of capstone courses where a student can choose 2 of three options. Of the three options, two 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). We propose to specify the requirement as being EAS 4610 and EAS 4420.
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- **School of Literature, Media, and Communication**
  - **Change course numbers**
    - 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.
    - This does not represent a problem for student records because the courses have not been taught as yet.
• School of History, Technology, and Society
  • Deactivation of courses
    • 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
    • Each HTS seminar currently has 5 numbers (e.g., Seminar in US History has HTS 4001, 4002, 4003, 4004, 4005). The IUCC previously suggested keeping just one repeatable course number for each seminar – in the case of the Seminar in US History, we would keep HTS 4001. The single numbered seminars will be repeatable with rotating topics, creating a more streamlined HTS course catalog.
    • In addition, two of the seminars that will be retained – HTS 4061 and HTS 4086 – currently are not repeatable. HTS requests that these two seminars be changed to be repeatable.
School of History, Technology, and Society

Degree modification – BS 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. This course currently serves as an introduction to the major, with a focus on the resources offered by the School of HTS. The functions of HTS 1001 are largely captured by HTS 2101 (Research Methods), which is required for HTS majors and taken early in the major. This change will reduce the HTS Core Requirements to 32 hours, and we will increase the Free Electives for the major to 21 hours.
School of History, Technology, and Society

Degree modification – BS in History, Technology, and Society

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 HTS 4086 (Seminar in Health, Medicine, and Society) and HTS 4091 (Seminar in Global Studies) to count toward the seminar requirement. There will be no change in total hours for this program.
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- **College of Computing and School of Literature, Media, and Communication**
  - **Degree modification – BS in Computational Media**
    - Updating the CM degree requirements to reflect the sunsetting 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.
    - Updating the Game Studies thread with both CS Media and CS People threads to require CS 3600 (Intelligence already requires CS 3600.) This is an administrative oversight that should have been changed with the beginning of the threaded CM program.
    - Changes 1 &2 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.
    - Changes to #3 are an administrative change. CS 3600 should have been required by all Game Studies threads since LCC 4731 and LCC 4732 require CS 3600 as a prerequisite in the “Game Studies” pick.
    - For #3, 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.
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• **School of Mechanical Engineering**
  • Degree modification – BS in Mechanical Engineering
    • There are two degree options: Cooperative Plan and International Plan; both options have the same degree requirements as the basic degree.
    • What is being requested?
      • Vertically Integrated Program (VIP) Hours: The School requests the following limitation on using VIP courses to satisfy Free Elective hours in the BSME curriculum. The change is motivated by a desire by the ME faculty to limit the extent to which project-based courses can be used to satisfy the degree requirements for the BSME degree.
      • This change results in a new definition of “free electives” in ME. It further limits what those courses may be.
      • Replace MATH 3770 with MATH 3670.
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- **School of International Affairs**
  - New courses with Core attributes
    - Social Science and Global Perspectives attributes:
      - INTA 2120: Intro to International Security 3-0-3
      - INTA 2221: Politics of the European Union 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
School of International Affairs

New Courses with Attributes
(These courses were not previously taught as Special Topics.)

Social Science and Global Perspectives attributes:
- 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

Note: The vote on this set of courses was not unanimous. There was concern about approving as permanent offerings courses which have not been taught before; there was also concern expressed about duplication of material in INTA 2042 and INTA 2120.
• **School of International Affairs**
  
  • Degree modification – new track or option, 5-year BS/MS in International Affairs
    
    • A 5-year combined BS/MS program in INTA would address a number of challenges faced by INTA. For example it would…
    
    • …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.
    
    • …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.
    
    • …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.
School of International Affairs

Degree modification – new track or option, 5-year BS/MS in International Affairs

INTA 5yr BS/MS Degree Eligibility Requirements:

- Students with a GPA of 3.5 or higher in IAC courses are eligible to apply for the program after completion of 30 semester credit hours at Georgia Tech, but before the completion of 75 semester credit hours, including transfer and advanced placement credits.
- Students who have more than 75 credit hours will be considered for the program on a case-by-case basis. Depending on demand, the required minimum GPA may be higher.
- Admissions decisions will be based on GPA and judgments of the Graduate Committee and faculty who have served as advisors or instructors.
- Continuation in the program will require the student to maintain a GPA of 3.5 or higher in IAC courses.
- The program will not penalize students who opt out after the bachelor’s degree.
• **College of Computing**
  • New courses
    • CS 2345: Advanced Practical 0-0 Programming 3-3-4
    • CS 3311: Project Design 1-0-1
    • CS 3312: Design Implementation 2-0-2
  • Degree modification – BS in Computer Science
    • Requesting to add CS 3311, CS 3312, LMC 3432, and LMC 3431 to the degree and deleting CS 4911 and LCC/LMC 3403.
    • The junior design and implementation courses were created to put the communication skills into a computing context. This two class sequence will be completed over 2 semesters to increase contextualization and relevance and provide students a better experience. This will not result in any change in total hours; students will still do a total of 3 hours CS design project and 3 hours LMC.
      • Students will select projects just like in 4911 and work on developing the customer requirements and high-level design. The difference is that the presentations and writing requirements of 4911 are integrated into the LMC class. This is beneficial for students since they are not writing on fictional projects as in the current 3403 but are writing about their real work they are completing in their projects. The same instructors that normally teach 4911 and 3403 will be teaching 3311/3312 and 3432/3431.
  • **Key Differences:**
    • The number of hours will remain the same. CS 3311 and 3312 will replace CS 4911 and LMC 3432 and 3431 will replace LCC 3403.
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• **College of Computing**
  • Degree modification – BS in Computer Science (System & Architecture Thread)
    • 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.
    • This does not change the degree requirements.

• **Scheller College of Business**
  • New courses
    • MGT 4181: Business Forecasting 3-0-3
    • MGT 4050 Business Analytics 3-0-3
    • MGT 4341: Management of Healthcare Operations 3-0-3
    • MGT 4367: Revenue Analytics 3-0-3
    • MGT 3614: Law for Entrepreneurs 3-0-3

  *Note*: The vote on these courses was not unanimous. There was concern about content overlap between MGT 4050 and MGT 4367. There was one opposing vote.

• **Deactivation of a course**
  • MGT 4661: Database Management
Scheller College of Business

New certificate – Business Analytics

Today, businesses, consumers, and societies leave behind massive amounts of data as a by-product of their activities. Leading-edge companies in every industry are using business analytics to analyze data and replacing intuition and guesswork in their decision-making with analytical insights.

According to INFORMS (the professional organization that offers certification in analytics), business analytics is “the scientific process of transforming data into insight for making better decisions”.

The objective of the business analytics certificate is to prepare students to structure, transform and analyze data to gain insights that will improve business intelligence and managerial decision-making. The certificate provides training in statistics, data structuring, management and visualization and in applications of analytics techniques to different business areas.
Scheller College of Business

New certificate – Business Analytics

Curriculum:

Required Course:
- MGT 4050 (Business Analytics)

Electives: Three (3) or more should be chosen from the following:
- MGT 3310 (Marketing Research)
- MGT 3745 (Business Programming)
- MGT 4057 (Business Process Analysis & Design)
- MGT 4058 (Database Management)
- MGT 4332 (Database & CRM Strategy)
- MGT 4028 (Financial Reporting & Analysis of Technology Firms)
- MGT 4181 (Business Forecasting)
- MGT 4367 (Revenue Analytics)
- MGT 4803 Special Topics (Privacy, Technology, Policy, and Law)
- CS 4460 (Information Visualization)

All courses require a letter grade of C or better for certificate eligibility.
Scheller College of Business

Minor modification – Leadership Studies

We are proposing changing the name of one of the tracks in this minor from Management Track to Business Track.

The primary reason for this request is to align more closely with the changes within the Scheller College towards business and away from management. As this track (and almost all of the coursework that is part of this track) is administered through the Scheller College of Business, it provides a clear rationale for identity and branding alignment with the college. This change is also congruent with peer institutions that have moved away from the management terminology and towards business.

Finally, the capstone course that is part of this minor is geared towards projects where students solve business challenges for organizations and develop solutions for these challenges, such as improving business processes; developing marketing and outreach plans; conducting market research and analysis etc.
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• Scheller College of Business
  • Minor modification – Leadership Studies
    • Replace Special Topics course MGT 4803 Management in the Healthcare Sector with new permanent course number (MGT 3662).
    • Remove Special Topics course MGT 4803 Fairness & Leadership: Building Trust. This course is no longer being taught.
    • Remove MGT/ME 4741 Integrative Mgt. Development-Project Prep. This course is restricted to Denning T&M program students only.
    • Add MGT 3101 and 4117 to increase course selection for students pursuing the Leadership Studies minor.
    • Catalog Correction: Please add MGT 4072, MGT 4102 and MGT 4116 which were previously approved June 2012. They should have been added to the 2013-2014 Catalog.
• **Scheller College of Business**
  • New certificate – interdisciplinary – Certificate of Social Growth, Academic Enrichment, and Vocational Exploration
    • Offered by the Interdisciplinary Inclusive Postsecondary Academy (IPA) at Georgia Tech
      • Note: The voting on this proposal was not unanimous.
    • This proposal is to offer a 4-year certificate program for students with intellectual and developmental disability (I/DD). Students with intellectual and development disability (see Appendix I for definition of I/DD) need postsecondary education (PE) beyond high school similar to any other student.
      • For the past 20 years, more than 200 large and small college campuses in US and Canada have established PE programs. These programs have similar focus areas including self-determination, social skills development, college course access, independent living, and employment.
      • The PE students go through a 2-year or 4-year special curriculum Certificate program. They audit regular courses with help from mentors, and take specially designed courses.
      • The PE program on each campus is usually small enrolling between 20-60 students, with 8-12 new admittances each year.
Scheller College of Business

New certificate – interdisciplinary – Certificate of Social Growth, Academic Enrichment, and Vocational Exploration

The core courses offered by the IPA program consist of academic fundamentals, life skills and career development. These courses are tailored to meet the domains of the Supports Intensity Scale, a widely used and valid instrument for individualized planning that transfers the focus from what an individual lacks to what the individual needs. Courses in this group are required for every student in the Academy. These courses are designed and offered by the IPA faculty.

- Fundamentals
  - Math (Basic operations with calculator and with MS excel)
  - Reading (functional reading including forms, instructions, e-mail, on-line searches, social media)
  - Writing (functional writing, completing forms, e-mails, social media)
  - Science (basic knowledge of velocity, acceleration, mass, weight and force, energy, gravity, … universe)
  - Vocational Preparation (job shadow, internships, job search, portfolio creation)

- Life Skills
  - Independent Living Skills (time management, study skills, …)
  - Advocacy
  - Interpersonal communication
  - Money Management and Personal Finance
  - Health and Safety
  - Lifelong learning

- Career Development
  - Career exploration

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New certificate – interdisciplinary – Certificate of Social Growth, Academic Enrichment, and Vocational Exploration

In addition, the students are required to audit regular classes at Georgia Tech by attending every class and participating in these courses, with accommodation, as any other student. The Academy faculty grades homework and exams; the final course grade will be based on performance, effort and progress in the course.

The students are required to audit 8 courses selected from the General Education category options and GT 1000 Seminar for Academic Enrichment. Of the 8 audit courses, 4 are from a pre-selected set of courses and 4 from any other course offered at Georgia Tech.
Action Items: April 15, 2014 Minutes

- **Scheller College of Business**
  - New certificate – interdisciplinary – Certificate of Social Growth, Academic Enrichment, and Vocational Exploration
    - Required audit Gen-Ed courses (5 courses)
      - GT 1000
      - APPH 1040
      - And, any 3 courses selected from the following list:
        - ENGL 1102, CS 1801, MGT 4193, ME 1770, LMC 2500, LMC 3843, HTS 2813, MGT 4191, PUBP 4140, MGT 4611, MGT 4192, MGT 4194
  - Elective audit courses (4 or more courses)
    - Any 4 academic courses with the permission of the IPA faculty advisor and instructor (courses in category 2 or as listed in appendix IV)
  - Elective IPA offered courses (2 or more courses)
    - Other elective courses can be selected from courses offered at Georgia Tech with the permission of the course instructor – sample courses obtained from a survey completed by undergraduate students are listed in Appendix IV.
Minutes for Approval

- January 7, 2014 – Petitions Minutes
- February 25, 2014 – Petitions Minutes
- March 11, 2014 – Academic Matters
- March 18, 2014 – Academic Matters
- April 1, 2014 – Petitions Minutes
- April 15, 2014 – Academic Matters

Motion: Approve all Minutes and Action items from the March 11, March 18, and April 15 meetings.