



GE Council

March 11, 2013, 1:00-4:00pm
Department of Higher Education
1560 Broadway – Suite 1600
Denver, CO

AGENDA

- I. Greetings and Introductions
- II. Adoption of last meeting's notes – [See handout: *2/11/13 draft minutes*]
- III. Information Items
 - A. Reminder: Ian and Maia are happy to come to your campus and conduct a training on gtPathways, Statewide Transfer Articulation Agreements, and transfer. If you set it up and get the right advisors, faculty, and other folks there (from your campus and surrounding campuses; high school counselors from nearby?), we'll be there!
 - B. Update on upcoming gtPathways review
- IV. Discussion/Action Items
 - A. Addendum B of Performance Contracts [see handout: *CCHE Addendum B_Final 2-26-13*]
 - See pg. 2 of handout, Commission Policies, Exemptions, I. Academic Affairs, Part L: Statewide Transfer Policy.
 - This means the 31-credit gtPathways core shall not be mandatory for Liberal Arts & Sciences baccalaureate degrees as long as the institution continues to offer a full gtPathways approved core curriculum for LAS students who choose it (in the event the student thinks he/she may transfer, for instance).
 - Except for this provision, all institutions are still held to the requirements of 23-1-125 (Student Bill of Rights, 120 credit cap for baccalaureate degrees except if there is a waiver, transfer of core courses, etc.) and 23-1-108.5 (ability to participate in GE Council and gtPathways course numbering system, review, approval, transfer, etc.).
 - The Institution will clearly communicate on its general education website that students planning to transfer should choose the gtPathways approved courses and curriculum if they want to guarantee transfer credit. This is in addition to the requirement of 23-1-

125(3), C.R.S. that institutions “shall identify the specific courses that meet the general education course guidelines,” which is being done currently with asterisks and other hard-to-see identifiers in the catalog. This necessitates some clarity in the catalog to help students understand exactly what gtPathways is and what it guarantees to them.

B. Top four Engineering programs for Fall 2013 Fac2Fac (based on last enrollment file in SURDS, pulled by CIP):

PROGRAM DESCRIPTION (*Note: CIP codes are not used consistently across institutions)	ENROLLMENT
Mechanical Engineering. (CIP = 14.1901)	1688
Engineering, General. (CIP = 14.0101) (BS Engineering at CSM & FLC)	1618
Civil Engineering, General. (CIP = 14.0801)	859
Chemical Engineering. (CIP = 14.0701)	728
Engineering, Other. (Mechatronics at CSU-P and Engineering at UCB)	699
Electrical and Electronics Engineering	608
Petroleum Engineering.	528
Aerospace, Aeronautical and Astronautical/Space Engineering.	434
Engineering Physics/Applied Physics.	367
Bioengineering and Biomedical Engineering.	338
Environmental/Environmental Health Engineering.	301
Computer Engineering, General.	289
Biochemical Engineering.	241
Geological/Geophysical Engineering.	241
Architectural Engineering.	184
Metallurgical Engineering.	134
Mining and Mineral Engineering.	104
Engineering Science.	73
Industrial Engineering.	42

C. ARTICULATION AGREEMENTS

1. **Phase 4: Procurement of Signatures**
 - a. **Agriculture Agreements (Animal Science, AG Business, Soil & Crop Science)** – sent for signature to Academic Council on 2/25/13.
2. **Phase 3: Final Review** – NONE
3. **Phase 2: ICIR**
 - a. **Communication** – V.2 sent to GEC 2/28/13; deadline 3/29/13.
 - b. **English** – V.2 sent to GEC; deadline 3/8/13. UCCS and UNC need to report if they can make this agreement work on their campuses. FLC and WSCU have

indicated that their campuses can make it work. Still need to hear from UCB and UCD.

- c. **Geography** – UNC has a proposed footnote, which raises a larger question. The proposed footnote is:

“Students interested in transferring to UNC for a Geography BA with Secondary Licensure should take HIS 101, ECO 201, and POS 111 for those categories and take GIS 110, HIS 201, HIS 202, and WST 200 among their electives.” [See handout: *STAA – GEOGRAPHY – Phase 2 Issues-resolved CWS – ICIR – 2012-11-28.*]

According to UNC’s online catalog, the Geography degrees with emphasis at UNC are:

Geography B.A.

[Geographic Information Science Emphasis](#)

[Liberal Arts Emphasis](#)

[Secondary Teaching Emphasis](#)

Questions this raises:

1. Should every agreement be footnoted with options that cover each degree with emphasis at each institution? If we include the above footnote for the B.A. Geography with Secondary Teaching Emphasis at UNC, why not include a footnote telling students what they need to do to get the emphasis in Geographic Information Science emphasis?
2. If we start including these footnotes for each emphasis area at each institution, there will be pages full of footnotes. So, should we limit each agreement to the emphasis areas within a degree that have the same requirements for the first 60 credits?
3. This applies to last month’s discussion on the Communication agreement. Going forward, should we indicate on the front page, exactly what degree and emphasis area (by name and CIP code) the agreement is for at each institution? Example for Geography agreement:

COLORADO PUBLIC FOUR-YEAR INSTITUTIONS OF HIGHER EDUCATION

Colorado Mesa University

Metropolitan State University of Denver

University of Colorado Colorado Springs

University of Colorado Denver

University of Northern Colorado (**B.A. Geography with Liberal Arts emphasis, CIP 45.0701**)

- d. **Geology** – sent to GEC on 12/13/12 for ICIR; deadline 2/8/13. Reminder email sent 2/28/13. Still need to hear from CMU and UCB.
 - e. **Philosophy** – V.3 sent to GEC on 2/22/13, deadline 3/8/13. Still need to hear from AIMS, CMC, CSU-FC, MSU Denver, UCB, UCCS, and UCD. Still need to send courtesy copy to discipline group.
4. **Phase 1: Curriculum Worksheet Creation & Verification**
- a. **Art History** – re-convening at spring 2013 Fac2Fac.

- b. **Biology/Chemistry/Physics** – to be reconvened at spring 2013 Fac2Fac. Any updates from other discussions?
- What, if anything, does new Addendum B mean for footnotes 1 & 2 on Chemistry curriculum worksheet in regard to the first 60 credits not satisfying either gtPathways or the AS degree, for the community college and the receiving 4-year institution? [See handout: *STAA – CHEMISTRY Phase I Draft CWS – 2013-04-05 Proposal.*]
 - Perhaps we need to discuss:
 - Online laboratories for articulation are limited to first-year courses: General Chemistry, General Biology, and Calculus-Based General Physics. Thus, science majors may be required to repeat online courses above these first-year courses upon transfer: Organic Chemistry, Modern Physics, Cell or Anatomy/Physiology, etc.
 - Official transcripts do not identify online delivery; however the degree audit system in CCCS should be able to identify online delivery.

Online Science Courses, Take-Home Lab Kit/Remote Labs & Other Lingering Issues

1. Extant literature reveals no significant differences in student success/preparedness between traditional vs. online courses or science take-home lab kits vs. traditional labs (actually, much of the literature show a selection effect that students who self-select into online coursework have higher GPAs and the discipline to be successful in an online environment). [See handouts: 1) *Lit Review for Online Science Courses*; 2) *Simulation of laboratory assignments to support students' learning of introductory inorganic chemistry*; 3) *Virtual Labs are equivalent to Authentic Labs.*]
2. DHE study of SURDS data concluded, “There were no statistically significant differences in students’ Science GPAs across instructional method (online vs. traditional). This suggests that online CCCS students perform just as well in Science classes at four-year institutions as their on-campus counterparts.” [See handout: *Online vs Traditional Science Study Report*, pg. 10]. *This report was shared with GE Council September 11, 2012.
3. Weights given to labs identified at April 2011 meeting: Should this be an institutional decision or should this be explicated in gtPathways science content criteria for science with labs at ALL institutions?
4. Grading policy identified at April 2011 meeting: This was swiftly corrected in house.

DHE’s Position: Let’s be fair. If we’re going to publicly pick apart science courses, labs, curricula, weighting of assessments, grading policies, etc. at one institution, then let’s do it across the board. CCCS has been very generous but this has to stop at some point and faculty need to respect institutional autonomy and the gtPathways approval process.

- c. **Music** – draft CWS, V.2 and notes (re-)sent to discipline group on 12/14/12 with changes discussed at December GEC meeting; deadline 2/8/13. New issue arose re MUS 121/122 – email sent to discipline group on 1/23/13 – deadline 2/8/13. Reminder email sent 2/26/13. Still need to hear from UCCS.

- d. **Studio Art** – re-convening at spring 2013 Fac2Fac.
- e. **Theatre** – draft CWS + notes sent to discipline group for verification on 12/17/12; deadline 2/8/13. Reminder email sent 2/25/13. Still need to hear from TSJC, UCB, and UCCS.

V. Other Business?