Proposal to revise the
Communication of Science & Technology (CSET) major and minor
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The major in the Communication of Science & Technology (CSET) urgently needs to be revised and updated. In this proposal, I present an update on the program itself (I) and present the reasons why some changes must be made (II). The current catalog copy, with changes to the program rules noted as strike-through (deletions) or in red (new text) is found on pp. 6-12. The proposed new catalog copy is found on pp. 13-17.

The proposal has been vetted and approved by the Affiliated Faculty for the CSET Program by a vote of 5 in favor, 0 opposed, 4 not voting. In addition, Jennifer Fay (FILM) and Jonathan Metzl (MHS) have both enthusiastically endorsed including FILM and MHS courses as choices for electives in the revised program. Letters (emails) of support from Affiliated Faculty of CSET and from Professors Fay and Metzl are provided on pages 18 - 24. A string of questions from the Dean Campbell and the CEP and answers from me are attached on pp. 25 – 30.

I. Program Status

I.a. Student majors

The CSET major was approved as an interdisciplinary major during the 2001-2002 academic year. It appeared for the first time in the Undergraduate Catalog in 2002-2003. The first student to formally graduate with a major in CSET did so in 2005. Students in the classes of 2002, 2003, and 2004 did programs similar to the CSET major --- and on whose programs the major was modeled --- but formally completed self-created, interdisciplinary majors.

The number of students pursuing this major is small (<10) but reasonably consistent. One or two of our majors matriculate at Vanderbilt each year specifically because of this program, as it remains unique, to our knowledge, in the country.

As we show in the table, below, CSET majors are doing well, post-graduation, to the extent that we have been able to keep track of their post-graduate plans and pursuits.
<table>
<thead>
<tr>
<th>Class</th>
<th>Number of Graduating Majors</th>
<th>Number of Minors</th>
<th>Post-graduation destinations</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>6</td>
<td></td>
<td>- Ph.D., Public Health, Tulane&lt;br&gt;- M.S., Public Health, Emory&lt;br&gt;- M.Ed., Or. Leadership, Peabody (VU)&lt;br&gt;- Office of Comm., American Chemical Society&lt;br&gt;- Deloitte and Touche consulting&lt;br&gt;- Communications Repr., Lockheed Martin</td>
</tr>
<tr>
<td>2003</td>
<td>6</td>
<td></td>
<td>- Medtronic (medical technology company)&lt;br&gt;- Medical School, Vanderbilt&lt;br&gt;- Nurse practitioner&lt;br&gt;- 3 unknown</td>
</tr>
<tr>
<td>2004</td>
<td>7</td>
<td></td>
<td>- Dental School, Univ. Mississippi&lt;br&gt;- Medtronic&lt;br&gt;- Law School, U. Chicago&lt;br&gt;- Medical School, Baylor&lt;br&gt;- Medical School, Loma Linda&lt;br&gt;- Ph.D., Genetics, U Rochester&lt;br&gt;- M.S., Science Comm., Univ. Hertfordshire; M.S. in Science Policy, GWU</td>
</tr>
<tr>
<td>2005</td>
<td>1</td>
<td>0</td>
<td>- unknown</td>
</tr>
<tr>
<td>2006</td>
<td>4</td>
<td>1</td>
<td>- unknown</td>
</tr>
<tr>
<td>2007</td>
<td>2</td>
<td>0</td>
<td>- unknown</td>
</tr>
<tr>
<td>2008</td>
<td>7</td>
<td>0</td>
<td>- Project Manager, Whitecoat Strategies (biotech PR firm)&lt;br&gt;- M.Ed., Org. Leadership, Peabody (VU)&lt;br&gt;- Commissioned in Navy (ROTC)&lt;br&gt;- 4 unknown</td>
</tr>
<tr>
<td>2009</td>
<td>6</td>
<td>0</td>
<td>- unknown</td>
</tr>
<tr>
<td>2010</td>
<td>7</td>
<td>0</td>
<td>- Law School, Harvard&lt;br&gt;- M.S., Public Health (GW or Emory)&lt;br&gt;- Superior Tube Company (Collegeville, PA)&lt;br&gt;- IT Recruiting (San Francisco)&lt;br&gt;- Professional (CFL, Arena) football player&lt;br&gt;- 2 unknown</td>
</tr>
<tr>
<td>2011</td>
<td>5</td>
<td>0</td>
<td>- Law School, U. Houston&lt;br&gt;- Ph.D., Microbiology, Yale&lt;br&gt;- M.S. Science &amp; Technology, U Edinburgh&lt;br&gt;- 2 unknown</td>
</tr>
<tr>
<td>2012</td>
<td>2</td>
<td>1</td>
<td>- Huron Healthcare Consulting</td>
</tr>
</tbody>
</table>
I.b. Faculty Leadership

The first program director was Kassian Kovalcheck (Communication Studies), who was the point-person for student inquiries in 2002-2003. David Ernst (Physics & Astronomy) was appointed as program director in 2003 and continued in that role through the 2005-2006 academic year. David Weintraub (Physics & Astronomy) was appointed as program director in July 2006 and continues in that role.

I.c. CSET courses

The CSET program now has four of its own courses:
- CSET 150: Special Topics in the Communication of Science & Technology
- CSET 289: Directed Study
- CSET 290: Project in Science Writing and Communicating

II. Reasons to revise the CSET major

Many reasons now exist that motivate the need to revise and update the CSET major.

1. Too big. When the major was established, interdisciplinary majors were required to encompass 48 hours of coursework; the A&S faculty have since relaxed that rule. Current rules for defined interdisciplinary majors require such programs to have 27 to 48 hours. CSET still requires 48 credit hours (plus several uncounted pre-req courses). No other defined interdisciplinary major requires more than 45 hours and most require 42 or fewer hours (see table, below). Reducing the number of hours may attract more students to the major and, more importantly will allow CSET majors to more easily pursue second majors, especially in one of the natural science disciplines, which would be a valuable option for these students.

<table>
<thead>
<tr>
<th>Defined Interdisciplinary Major</th>
<th>credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication of Science and Technology</td>
<td>48</td>
</tr>
<tr>
<td>Economics and History</td>
<td></td>
</tr>
<tr>
<td>French and European Studies</td>
<td>45</td>
</tr>
<tr>
<td>Asian Studies</td>
<td></td>
</tr>
<tr>
<td>European Studies</td>
<td></td>
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<tr>
<td>German and European Studies</td>
<td></td>
</tr>
<tr>
<td>Italian and European Studies</td>
<td></td>
</tr>
<tr>
<td>Modern European Studies</td>
<td></td>
</tr>
<tr>
<td>Russian and European Studies</td>
<td></td>
</tr>
<tr>
<td>Spanish and European Studies</td>
<td></td>
</tr>
<tr>
<td>Spanish, Portuguese, and European Studies</td>
<td>42</td>
</tr>
</tbody>
</table>
2. **The A&S rule limiting students to double-counting only 6 hours as part of both the interdisciplinary major and a second major is a huge problem.** Reducing the number of required hours for CSET will lessen this problem.
   - A student who double majors in Physics (35 hours) and Math (35 hours) must take at least 29 hours in Physics and 29 hours in Math that are unique to those majors plus 6 hours that count for both majors. Thus, this student takes a total of 64 hours \((29 + 29 + 6)\) to complete the 70 hours for both majors.
   - A student who double majors in CSET (48 hours) and EES (minimum 38 hours) must take at least 42 hours in CSET and 32 hours in EES that are unique to each major. This student must complete at least 80 hours \((42 + 32 + 6)\) for both majors. It might seem reasonable that a student doing the CSET/EES combination could double-count three courses, thereby having ‘only’ 39 and 29 unique hours in the two majors, and taking a total of 77 total hours \((39 + 29 + 9)\) to complete both majors, but our students’ appeals on this issue have been turned down.
   - Students in the School of Engineering are not affected by this rule, so (for example) a CSET/BME double major may count as many as 24 hours --- ES 140 (a required course), BME 255W (an advanced writing course), BME 260 (an option for the required, calculus-based statistics course), ES 210W (another advanced writing course), all three required ‘engineering’ courses, the ‘fifth selected course’ toward both CSET and BME. Because we have students in both ENG and A&S majoring in CSET, this double standard is problematic.

3. **CMST 237 is required of all majors; however, the course may not be taught again.** (In 2011-2012, we offered CSET 150 as a substitute for some students. We have identified someone who likely will teach CSET 150 in 2012-2013 and beyond.) We need a set of requirements that does not rest so firmly on this one course, which had been the only course that all CSET students must take.

4. **When the major was first put together, the Film Studies program did not exist and MHS offered far fewer courses.** As it is, students learn a bit about making videos in CMST 237 and CSET 150, but they learn most of this on their own in order to complete assignments. Several Film Studies courses would be reasonable choices for students in the CSET major (both as the means to learn practical skills in video work and for learning skills in story telling), but the rules for the major lack sufficient flexibility so at this time we cannot count FILM courses toward any of the
CSET requirements. Similarly, many MHS courses would be excellent choices for CSET majors but the rules of the major put most MHS courses off limits.

5. **ES 120 is no longer taught and ES 140 is not serving the purpose for which it was intended, at least for CET majors.** ES 120/140 was presumably going to be a broad introduction to the engineering disciplines for CSET students, but most of them end up taking ES 140 in their senior year (with first-year engineering students) after having already taken some or all of their regular engineering courses. So this course is not serving the purpose for which it was intended, at least for CSET majors.

6. **The statistics course of choice (Math 180) is no longer offered.** The loss of this course forces students into much more (mathematically) advanced statistics courses or into Econ 150, which has calculus as a pre-req but is not taught as a calculus-based statistics course. Statistics remains an important component of what we think CSET students should study, but students need a broader set of options for fulfilling this requirement.

7. **The courses from the School of Engineering that CSET students take do not satisfy the original intent of having students take ‘engineering’ courses.** Students must choose three courses from the School of Engineering. Historically, many A&S students have chosen Engineering Science courses, but most of these are no longer taught. Other popular choices are Engineering Management courses. While the ES and EMGT programs offer interesting courses, these courses do not satisfy the original intent of having students take ‘engineering’ courses (e.g., Materials Science, Chemical Engineering).
The Full 2011-2012 Catalog Text for the CSET major with strike-throughs and new text in red

*Communication of Science and Technology*

DIRECTOR David A. Weintraub
Affiliated Faculty
PROFESSORS Jay Clayton (English), David J. Ernst (Physics and Astronomy), Richard F. Haglund Jr. (Physics and Astronomy), Kassian Kovalcheck (Communication Studies), Gerald J. Stubbs (Biological Sciences), Jeffrey D. Schall (Psychology), David A. Weintraub (Physics and Astronomy)
RESEARCH PROFESSOR C. Richard Chappell (Physics and Astronomy)
ASSOCIATE PROFESSOR Jonathan M. Gilligan (Earth and Environmental Sciences)
ASSISTANT PROFESSORS Ole Molvig (History), Dahlia Porter (English)
ASSISTANT PROFESSOR OF THE PRACTICE OF ENGINEERING Christopher Rowe (General Engineering)

The study of the communication of science and technology is an interdisciplinary enterprise that draws upon the scientific, engineering, and communication, both oral and written, resources of Vanderbilt University. The program is designed for students who have an interest in science and technology and also are interested in how science and technology are communicated to the larger world outside science, engineering, and medicine. Interested students should contact the director of the program, David A. Weintraub, Department of Physics and Astronomy.

*Program of Concentration in Communication of Science and Technology*

Students majoring in the communication of science and technology will be expected to complete a core of courses that are essential to understanding communication, as well as a coherent program of courses that provide scientific and engineering background. The major consists of either 38 or 39 hours.

Students seeking a second major within the College of Arts and Science may count a maximum of 6 hours of 200-level course work to meet the requirements of both majors.

A student may count as many as 6 hours as part of both this interdisciplinary major and a second major. A student may only include a maximum of 15 hours of 100-level coursework, not including CSET 150 and all HIST courses.

*Required Courses (15 hours)*

Communication Studies 237 (The Communication of Science, Engineering, and Technology)
English 118W (Introduction to Literary and Cultural Analysis) or English 120W (Intermediate Composition) or 200 (Intermediate Nonfiction Writing) or 201 (Advanced Nonfiction Writing)

Communication Studies 201 (Persuasion) or 204 (Organizational and Managerial Communication)

Engineering Science 120 (Introduction to Engineering Problem Solving) or Engineering Science 140 (Introduction to Engineering)

Mathematics 218 (Introduction to Probability and Mathematical Statistics)

Economics 150 (Economic Statistics) or Economics 155 (Intensive Economic Statistics), or BME 260 (Analysis of Biomedical Data)

Natural Science (9 hours)

Any three 200-level courses (minimum 3 credit hours per course) from at least two disciplines in the natural sciences from those listed for credit as MNS courses within AXLE. (Note that MATH courses cannot be used to fulfill this requirement.) Students would only count 9 hours of Natural Science courses toward this part of the 48-hour requirement, even if they choose to take three 4-hour courses.

Engineering (9 hours)

Any three courses (minimum 3 credit hours per course) from at least two disciplines in the School of Engineering (excluding BME 201, 240a–240b, 241a–241b, 272, 273; ChE 233W, 246, 247, 249; CE 200a–200b–200c, 248a–248b, 252a–252b; CS 101, 103, 240a–240b; EECE 203, 204, 296, 297; ES 101, 103, 248a–248b; MSE 209b–209c; ME 209a–209b–209c, 243, 297). Students would only count 9 hours of Engineering courses toward this part of the 48-hour requirement, even if they choose to take three 4-hour courses.

Selected Courses (15 hours)

Area I (one 3-hour course): Communication Studies 210 (Rhetoric and Civic Life), 220 (Rhetoric of the American Experience, 1640–1865), 221 (Rhetoric of the American Experience, 1865 to 1945), 222 (The Rhetorical Tradition), 241 (Rhetoric of Mass Media), 294 (Special Topics: Communication of Science through the Media).

Area II (two 3-hour courses): ENGL 200, 201, or any 200-level W course taught in English, Engineering, or any of the Natural Science departments (note that W courses taught in Engineering or the Natural Science departments do not count toward the Engineering or Natural Science requirements of this major); History 285W (Science, Technology, and Modernity); English 243, 243W (Literature, Science, and Technology) may be repeated once (for a total of up to 6 credits) as long as the specific topics for the course are different each time it is taken. The topic for each offering of the course will be indicated in the official course schedule. Note that a course counted toward Required Courses cannot also be used in satisfaction of the Area II requirement.

Area III (one 3-hour course): Astronomy 203 (Theories of the Universe); Communication Studies 223 (Values in Modern Communication), 241 (Rhetoric of Mass Media); Earth and Environmental Sciences 205 (Science, Risk, and Policy); Economics 226 (Economic History of the United States); History 150 (History of Modern Sciences and Society), 280 (Modern Medicine), 285W (Science, Technology, and Modernity); Medicine, Health, and Society 221 (Controversies in Medicine); Philosophy 244 (Philosophy and the
Natural Sciences); Political Science 253 (Ethics and Public Policy), 255 (Public Policy Problems); Psychology 252 (Human Sexuality); Sociology 237 (Society and Medicine).

Choice: a) One additional 3-hour course from Area I, Area II, Area III, or from the course options that satisfy the Natural Science or Engineering requirements or b) at least 1 credit hour earned from CSET 289 and at least 1 credit hour earned from CSET 290.

1) Written and Oral Communications courses (9 credit hours from 3 courses)
Three courses, with a minimum 3 credit hours per course) as follows:
   a. Intro to the Communication of Science: CSET 150 (Special Topics) or CMST 237 (The Communication of Science, Engineering, and Technology). If neither course is offered for two consecutive years, majors may, with approval of the program director, substitute a course from category ‘1c’.
   b. One advanced public-speaking course: CMST 201 (Persuasion) or 204 (Organizational and Managerial Communication)
   c. One advanced (200-level) ‘W’ course from any of the following:
      i. any 200-level ‘W’ course from any Natural Science program (as used here, ‘Natural Science’ includes all courses identified as ‘MNS’ courses in AXLE except MATH and PHIL courses),
      ii. any 200-level ‘W’ course from any Engineering program,
      iii. any 200-level ‘W’ course from MHS,
      iv. ENGL 200 (Intermediate Nonfiction Writing), 201 (Advanced Nonfiction Writing), or ENGL 243 (Literature, Science, and Technology),

2) Natural Science and Engineering courses (15 credit hours from five courses):
Five courses (minimum 3 credit hours per course), at least three of which must be 200-level Natural Science courses. (As used here, Natural Science includes all courses identified as MNS courses in AXLE except MATH and PHIL courses.) The other two courses may be 200-level Natural Science courses or courses taken at any level from the School of Engineering. Students will count 15 hours of Natural Science and/or Engineering courses toward this part of 38 or 39-hour requirement, even if they choose to take five 4-credit-hour courses. Engineering ‘research,’ ‘project,’ ‘design,’ ‘seminar,’ ‘independent study,’ and introductory programming courses (e.g., BME 240a, 240b, 241a, 241b, 272, 273; ChBE 233W, 246, 247, 249; CE 200a, 200b, 200c, 248, 249, 252a, 252b; CS 101, 103, 240–240b; EECE 203, 204, 296, 297; ENGM 289, 290, ES 101, 103, 248, 249; MSE 209b, 209c, ME 209a, 209b, 209c, 243, 297; SC 295A, 295B, 295C) do not count toward this requirement. Students may count the three 1-credit hour courses ES 140A, 140B, and 140C as equivalent to a single 3-credit-hour course if they earn credit for all three courses.

3) Statistics (3 credit hours) selected from:
   ECON 150 (Economic Statistics), 155 (Intensive Economic Statistics),
   MATH 127b (Probability and Statistical Inference), 216 (Probability and Statistics for Engineering), 218 (Introduction to Probability and Mathematical Statistics),
PSY 209 (Quantitative Methods),
PBY PSY 2101 (Introduction to Statistical Analysis), PBY 2102 (Statistical Analysis)
BME 260 (Analysis of Biomedical Data)
SOC 127 (Statistics for Social Scientists)

4) One course bridging science, engineering, or medicine and health with non-science content and issues, including public policy courses and environmental courses (3 credit hours):
- ANTH 208 (Food Politics in America), 240 (Medical Anthropology), 250 (Anthropology of Healing), 260 (Medicine, Culture, and the Body), 264 (Human Nature and Natural Law: Perspectives from Science and Religion), 270 (Human Osteology), 274 (Health and Disease in Ancient Populations)
- ASTR 203 (Theories of the Universe)
- EES 205 (Science, Risk, and Policy)
- EUS 241 (Environmental Politics and Policy)
- HIST 149 (The Modern Human Sciences), 150 (History of Modern Sciences and Society), 151 (The Scientific Revolution), 280 (Modern Medicine), 281 (Women Health, and Sexuality), 282 (Chinese Medicine), 283 (Medicine, Culture, and the Body), 284a (Epidemics in History), 284b (Health and the African American Experience), 284c (The Psychological Century), 285a (Human Biological Enhancement), 285W (Science, Technology, and Modernity)
- MHS – any 200-level course below 290
- PHIL 244 (Philosophy and the Natural Sciences)
- PSCI 253 (Ethics and Public Policy), 255 (Public Policy Problems), 256 (Politics of Public Policy)
- PSY 252 (Human Sexuality)
- RLST 202 (Natural Science and the Religious Life), 221 (Ethics and Ecology), 241 (Religion, Science, and Evolution)
- SOC 221 (Environmental Inequality and Justice), 237 (Society and Medicine), 270 (Human Ecology and Society)
- WGS 240 (Introduction to Women’s Health), 268 (Gender, Race, Justice, and the Environment)

5) Electives (8 or 9 credit hours) chosen from:
   a. FILM 105 (Fundamentals of Film and Video Production), 125 (Introduction to the Study of Film), 175 (Intermediate Filmmaking: Alternate Forms), 176 (Intermediate Filmmaking: Fiction), 227W (Screenwriting), 275W (Advanced Screenwriting), (no more than 2 courses)
   b. category 1c (no more than 2 courses)
   c. category 2 (no more than 2 courses)
   d. category 4 (no more than 2 courses)
   e. A combination of at least one hour of CSET 289 (Directed Study) and at least one hour of CSET 290 (Project in Science Writing and Communicating) may
be counted together as a single elective course. No more than 3 hours of
CSET 289 and 290 may count toward the major.

Internships
The off-campus internship program involves work in the national arena in such
places as NASA, the Discovery Channel, the National Institutes of Health, CNN, and the
American Chemical Society. If an internship involves course credit, credit will be given for
these internships through Interdisciplinary Studies 280a–280b–280c (1 hour each); they
must be taken as P/F hours, and do not count toward the major.

Honors Program
CSET Honors is a selective program of individual undergraduate work, supervised
by faculty advisers. Honors candidates propose, research, and write a thesis that
demonstrates the ability to communicate science, in depth, to a nonscientific audience.

Requirements for Admission
To be admitted to the Honors Program in CSET, a student must
1) be a CSET major,
2) have completed at least 30 of the required hours for the CSET major,
3) have completed one semester of CSET 289 and one semester of CSET 290. a) students
   who entered Vanderbilt prior to fall 2008 may substitute two semesters of INDS 280a–
   280b–280c for CSET 289 and CSET 290 b) With permission of the program director,
   students may substitute research experience taken for credit within a scientific or
   engineering program for CSET 289.
4) have a GPA of at least 3.20 in all work previously taken for credit,
5) have a GPA of at least 3.40 in all courses taken that count toward completion of the CSET
   major.

Requirements for Completion (minimum 39 credit hours)
To earn Honors or Highest Honors in CSET, a student must
1) complete the CSET major (minimum 38 credit hours),
2) complete at least one semester of CSET 296,
3) present an oral defense of the written CSET 296 thesis before a faculty examination
   committee,
4) have a GPA of at least 3.20 in all work taken for credit and 3.40 in all courses that count
   toward the CSET major.

Course of Study
Interested students may apply in the spring of their junior year or the fall of the senior
year. Applicants must have completed CSET 289 (or the equivalent) and must have
completed or be enrolled in CSET 290. The application includes a one- to two-page
proposal of the planned thesis and the signature of the faculty member who will be the
thesis adviser.

Students in the Honors Program sign up for CSET 296 (Honors Thesis). Students
may enroll in CSET 296 for one or two semesters, for up to 3 hours per semester.
The final thesis must be submitted no later than two weeks before the end of classes in the semester of graduation.

The oral defense of the thesis will take place one to two weeks after the final thesis is submitted. The examination committee is composed of the thesis supervisor and two additional faculty members, at least one of whom must be a faculty member affiliated with the CSET program. The oral defense is public and should take approximately one hour, including time for questions from members of the committee. The faculty examination committee will determine by majority vote whether the student has earned Honors and whether said student should receive Honors or Highest Honors. Highest Honors is reserved for students with GPAs in the CSET major and overall above 3.50, whose theses are of near-publication quality, and whose oral defenses are at the highest level.

Minor in Communication of Science and Technology

The minor in communication of science and technology consists of a minimum of 24 hours distributed as follows:

Required Courses (9 hours)
Communication Studies 237 (The Communication of Science, Engineering, and Technology)
English 120W (Intermediate Composition) or 200 (Intermediate Nonfiction Writing) or 201 (Advanced Nonfiction Writing)
Communication Studies 201 (Persuasion) or 204 (Organizational and Managerial Communication)

Selected Courses (15 hours)
The student must take
1. two courses from the Natural Science list for the major (see above);
2. a total of two courses from the Engineering list for the major (see above); or
Materials Science and Engineering 150 (Materials Science I) and one course from the Engineering list for the major (see above);
3. one course from any of the courses listed above for the major.

No more than two of the selected courses can be taken in any one department.
Only 3 hours from each of the five selected courses will count toward the 24 total hours of the minor.
The minor in the Communication of Science and Technology consists of seven courses, totaling a minimum of 21 hours, distributed as follows:

1) Written and Oral Communications courses (3 courses):
   a. CSET 150 or CMST 237. If neither course is offered for two consecutive years, minors may, with approval of the program director, substitute a course from category ‘1c’.
   b. One advanced public-speaking course: CMST 201 or 204
   c. One advanced (200-level) 'W' course as defined in the rules for the CSET major

2) Natural Science and Engineering courses (4 courses):
   a. One course bridging science, engineering, or medicine and health with non-science content and issues, including public policy courses and environmental courses (selected from list of courses for majors)
   b. Three courses (minimum 3 credit hours per course) from engineering and/or the natural sciences, at least two of which must be 200-level Natural Science courses (as defined for the major). The other course may be a 200-level Natural Science course or a course taken at any level from the School of Engineering. Students may count 9 hours of Natural Science and/or Engineering courses toward this part of 21-hour requirement, even if they choose to take three 4-credit-hour courses. Students may count the 1-credit hour courses ES 140A, 140B, and 140C as equivalent to a single 3-credit hour course if they earn credit for all three courses.
The Full 2012-2013 Catalog Text for the CSET major

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DIRECTOR David A. Weintraub
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A student may count as many as 6 hours as part of both this interdisciplinary major and a second major. A student may only include a maximum of 15 hours of 100-level coursework, not including CSET 150 and all HIST courses.

1. Written and Oral Communications courses (9 credit hours from 3 courses)
   Three courses, with a minimum 3 credit hours per course) as follows:
   a. Intro to the Communication of Science: CSET 150 (Special Topics) or CMST 237 (The Communication of Science, Engineering, and Technology). If neither course is offered for two consecutive years, majors may, with approval of the program director, substitute a course from category ‘1c’.
   b. One advanced public-speaking course: CMST 201 (Persuasion) or 204 (Organizational and Managerial Communication)
   c. One advanced (200-level) ‘W’ course from any of the following:
      i. any 200-level ‘W’ course from any Natural Science program (as used here, ‘Natural Science’ includes all courses identified as ‘MNS’ courses in AXLE except MATH and PHIL courses),
      ii. any 200-level ‘W’ course from any Engineering program,
      iii. any 200-level ‘W’ course from MHS,
iv. ENGL 200 (Intermediate Nonfiction Writing), 201 (Advanced Nonfiction Writing), or ENGL 243 (Literature, Science, and Technology),

2. Natural Science and Engineering courses (15 credit hours from five courses):
   Five courses (minimum 3 credit hours per course), at least three of which must be 200-level Natural Science courses. (As used here, Natural Science includes all courses identified as MNS courses in AXLE except MATH and PHIL courses.) The other two courses may be 200-level Natural Science courses or courses taken at any level from the School of Engineering. Students will count 15 hours of Natural Science and/or Engineering courses toward this part of 38 or 39-hour requirement, even if they choose to take five 4-credit-hour courses. Engineering ‘research,’ ‘project,’ ‘design,’ ‘seminar,’ ‘independent study,’ and introductory programming courses (e.g., BME 240a, 240b, 241a, 241b, 272, 273; ChBE 233W, 246, 247, 249; CE 200a, 200b, 200c, 248, 249, 252a, 252b; CS 101, 103, 240a–240b; EECE 203, 204, 296, 297; ENGM 289, 290, ES 101, 103, 248, 249; MSE 209b, 209c, ME 209a, 209b, 209c, 243, 297; SC 295A, 295B, 295C) do not count toward this requirement. Students may count the three 1-credit hour courses ES 140A, 140B, and 140C as equivalent to a single 3-credit hour course if they earn credit for all three courses.

3. Statistics (3 credit hours) selected from:
   ECON 150 (Economic Statistics), 155 (Intensive Economic Statistics),
   MATH 127b (Probability and Statistical Inference), 216 (Probability and Statistics for Engineering), 218 (Introduction to Probability and Mathematical Statistics),
   PSY 209 (Quantitative Methods),
   PBY PSY 2101 (Introduction to Statistical Analysis), PBY 2102 (Statistical Analysis)
   BME 260 (Analysis of Biomedical Data)
   SOC 127 (Statistics for Social Scientists)

4. One course bridging science, engineering, or medicine and health with non-science content and issues, including public policy courses and environmental courses (3 credit hours):
   ANTH 208 (Food Politics in America), 240 (Medical Anthropology), 250 (Anthropology of Healing), 260 (Medicine, Culture, and the Body), 264 (Human Nature and Natural Law: Perspectives from Science and Religion), 270 (Human Osteology), 274 (Health and Disease in Ancient Populations)
   ASTR 203 (Theories of the Universe)
   EES 205 (Science, Risk, and Policy)
   EUS 241 (Environmental Politics and Policy)
   HIST 149 (The Modern Human Sciences), 150 (History of Modern Sciences and Society), 151 (The Scientific Revolution), 280 (Modern Medicine), 281 (Women Health, and Sexuality), 282 (Chinese Medicine), 283 (Medicine, Culture, and the Body), 284a (Epidemics in History), 284b (Health and the African American Experience), 284c (The Psychological Century), 285a
(Human Biological Enhancement), 285W (Science, Technology, and Modernity)
MHS – any 200-level course below 290
PHIL 244 (Philosophy and the Natural Sciences)
PSCI 253 (Ethics and Public Policy), 255 (Public Policy Problems), 256 (Politics of Public Policy)
PSY 252 (Human Sexuality)
RLST 202 (Natural Science and the Religious Life), 221 (Ethics and Ecology), 241 (Religion, Science, and Evolution)
SOC 221 (Environmental Inequality and Justice), 237 (Society and Medicine), 270 (Human Ecology and Society)
WGS 240 (Introduction to Women’s Health), 268 (Gender, Race, Justice, and the Environment)

5. Electives (8 or 9 credit hours) chosen from:
   a. FILM 105 (Fundamentals of Film and Video Production), 125 (Introduction to the Study of Film), 175 (Intermediate Filmmaking: Alternate Forms), 176 (Intermediate Filmmaking: Fiction), 227W (Screenwriting), 275W (Advanced Screenwriting), (no more than 2 courses)
   b. category 1c (no more than 2 courses)
   c. category 2 (no more than 2 courses)
   d. category 4 (no more than 2 courses)
   e. A combination of at least one hour of CSET 289 (Directed Study) and at least one hour of CSET 290 (Project in Science Writing and Communicating) may be counted together as a single elective course. No more than 3 hours of CSET 289 and 290 may count toward the major.

**Internships**

The off-campus internship program involves work in the national arena in such places as NASA, the Discovery Channel, the National Institutes of Health, CNN, and the American Chemical Society. If an internship involves course credit, credit will be given through Interdisciplinary Studies 280a–280b–280c (1 hour each); they must be taken as P/F hours, and do not count toward the major.

**Honors Program**

CSET Honors is a selective program of individual undergraduate work, supervised by faculty advisers. Honors candidates propose, research, and write a thesis that demonstrates the ability to communicate science, in depth, to a nonscientific audience.

**Requirements for Admission**

To be admitted to the Honors Program in CSET, a student must

1) be a CSET major,
2) have completed at least 30 of the required hours for the CSET major,
3) have completed one semester of CSET 289 and one semester of CSET 290. With permission of the program director, students may substitute research experience taken for credit within a scientific or engineering program for CSET 289,
4) have a GPA of at least 3.20 in all work previously taken for credit,
5) have a GPA of at least 3.40 in all courses taken that count toward completion of the CSET major.

Requirements for Completion (minimum 39 credit hours)
To earn Honors or Highest Honors in CSET, a student must
1) complete the CSET major (minimum 38 credit hours),
2) complete at least one semester of CSET 296,
3) present an oral defense of the written CSET 296 thesis before a faculty examination committee,
4) have a GPA of at least 3.20 in all work taken for credit and 3.40 in all courses that count toward the CSET major.

Course of Study
Interested students may apply in the spring of their junior year or the fall of the senior year. Applicants must have completed CSET 289 (or the equivalent) and must have completed or be enrolled in CSET 290. The application includes a one- to two-page proposal of the planned thesis and the signature of the faculty member who will be the thesis adviser.

Students in the Honors Program sign up for CSET 296 (Honors Thesis). Students may enroll in CSET 296 for one or two semesters, for up to 3 hours per semester.

The final thesis must be submitted no later than two weeks before the end of classes in the semester of graduation.

The oral defense of the thesis will take place one to two weeks after the final thesis is submitted. The examination committee is composed of the thesis supervisor and two additional faculty members, at least one of whom must be a faculty member affiliated with the CSET program. The oral defense is public and should take approximately one hour, including time for questions from members of the committee. The faculty examination committee will determine by majority vote whether the student has earned Honors and whether said student should receive Honors or Highest Honors. Highest Honors is reserved for students with GPAs in the CSET major and overall above 3.50, whose theses are of near-publication quality, and whose oral defenses are at the highest level.

Minor in Communication of Science and Technology

The minor in the Communication of Science and Technology consists of seven courses, totaling a minimum of 21 hours, distributed as follows:

1) Written and Oral Communications courses (3 courses):
   a. CSET 150 or CMST 237. If neither course is offered for two consecutive years, minors may, with approval of the program director, substitute a course from category ‘1c’.
   b. One advanced public-speaking course: CMST 201 or 204
c. One advanced (200-level) 'W' course as defined in the rules for the CSET major

2) Natural Science and Engineering courses (4 courses):
   a. One course bridging science, engineering, or medicine and health with non-science content and issues, including public policy courses and environmental courses (selected from list of courses for majors)
   b. Three courses (minimum 3 credit hours per course) from engineering and/or the natural sciences, at least two of which must be 200-level Natural Science courses (as defined for the major). The other course may be a 200-level Natural Science course or a course taken at any level from the School of Engineering. Students may count 9 hours of Natural Science and/or Engineering courses toward this part of 21-hour requirement, even if they choose to take three 4-credit-hour courses. Students may count the 1-credit hour courses ES 140A, 140B, and 140C as equivalent to a single 3-credit hour course if they earn credit for all three courses.
Hi David,

We do have a new menu of courses that will only minimally impact your course listings below.

Presuming that the revisions to the major are fully approved (they just made it through Faculty Council)
Consider listing the following classes:

FILM 125: Intro to Film
FILM 105: Fundamentals of Film and Video Production
FILM 175: Intermediate Filmmaking: Alternate Forms (prereq, 105)
FILM 176: Intermediate Filmmaking: Fiction (prereq, 105)

as well as

227W (Screenwriting), 275W (Advanced Screenwriting).

Let me know if you have any other questions. I’m glad to know that there are possible convergences between the two majors!

best,

Jennifer Fay
Director of Film Studies
Associate Professor of Film Studies and English
Vanderbilt University
http://www.vanderbilt.edu/filmsciences/fay.html

From: weintrda@gmail.com [weintrda@gmail.com] On Behalf Of David Weintraub [david.a.weintraub@vanderbilt.edu]
Sent: Wednesday, April 04, 2012 11:03 AM
To: Fay, Jennifer M.
Subject: Film Studies and CSET

Email: david.a.weintraub@vanderbilt.edu <mailto:david.a.weintraub@vanderbilt.edu>
phone: 615-322-9906 <tel:615-322-9906>
fax: 615-343-7263 <tel:615-343-7263>
office: 6910 Stevenson Center
propsoal to revise the Comm of Science major

Fay, Jennifer M. <jennifer.m.fay@vanderbilt.edu>

To: "Weintraub, David A." <david.a.weintraub@vanderbilt.edu>

Dear David,

The following classes would make sense, but note that there is a lot of pressure on 105 and screenwriting. We give priority to film majors and freshman, but there is typically still some room. Also, Film 125 Intro to Film, could be of use, too.

170 is fine (but 105 is the prereq).

So:

FILM 105: Fundamentals of Film and Video Production
FILM 125: Introduction to the Study of Film
FILM 170 (prereq 105)
FILM 227w (Screenwriting)
FILM 275w (Screenwriting 2 – 227 prereq)

I’m in the process of revising and streamlining the major. This involves cutting: FILM 130, 131, 232, 251, 278. Instead we’ll have three intermediate production courses. 1) FILM 170 Intermediate Fiction Film Production. I need to create an 2) Intermediate Non-fiction film production and 3) Intermediate Experimental Film Production. I hope to meet with the steering committee in the next few weeks to hash out the details before submitting the revisions to the college. I’ll keep you posted. I presume you could always add a class after it’s been created.

Hope this helps!

very best,

Jen

Jennifer Fay
Director of Film Studies
Associate Professor of Film Studies and English
Vanderbilt University
http://www.vanderbilt.edu/films/studies/fay.html

From: weintraub@gmail.com [mailto:weintraub@gmail.com] On Behalf Of David Weintraub [david.a.weintraub@vanderbilt.edu]

Sent: Friday, January 13, 2012 5:11 PM

To: Fay, Jennifer M.

Subject: proposal to revise the Comm of Science major

[Quoted text hidden]

Email: david.a.weintraub@vanderbilt.edu <mailto:david.a.weintraub@vanderbilt.edu>
[Quoted text hidden]
revised of CSET major and relationship to MHS major

Metzl, Jonathan Michel <jonathan.metzl@vanderbilt.edu>  Fri, Jan 13, 2012 at 6:07 PM
To: "Weintraub, David A." <david.a.weintraub@vanderbilt.edu>
Cc: "Petty, Julie Leigh" <juleigh.petty@vanderbilt.edu>, "Muse, Courtney Sanders" <courtney.e.muse@vanderbilt.edu>, "Lentz, Lynn W."
 <lynn.lentz@vanderbilt.edu>

David, wonderful, I "love" this idea. Sounds great for all—I can envision lots of cool points of overlap. Jonathan

Ps, were doing lots of science and media stuff, fyi! See www.vanderbilt.edu/mhs, video from October 14 is a science journalism panel we co-hosted at Nyu.

Jonathan Metzl, MD, PhD,
Frederick B. Rentschler II Professor of Sociology and Medicine, Health, and Society,
Director, Program in Medicine, Health, and Society,
Professor of Psychiatry,
Vanderbilt University, Nashville, TN
jonathan.metzl@vanderbilt.edu

From: weintra@gmail.com  [mailto: weintra@gmail.com]  On Behalf Of David Weintraub
Sent: Friday, January 13, 2012 5:26 PM
To: Metzl, Jonathan Michel
Subject: revision of CSET major and relationship to MHS major

[Cited text hidden]

CSET revisions 2012.pdf
111K
All

The need is evident and the proposal seems quite effective to me. I can't offer any useful suggestions for improvement but will offer gratitude and admiration for whomever pulled this together.

Jeff

[Quoted text hidden]

| <CSET revisions 2012.pdf> |
CSET: Proposal to Revise rules for Major
I think you have done an excellent and balanced job and I am fully supportive of the change.
revised Comm of Science major

Jonathan Gilligan <jonathan.gilligan@vanderbilt.edu>
To: David Weintraub <david.a.weintraub@vanderbilt.edu>
Cc: "Clayton, Jay" <jay.clayton@vanderbilt.edu>, "Ernst, David J" <david.j.ernst@vanderbilt.edu>, "Molvig, Ole" <ole.molvig@vanderbilt.edu>, "Porter, Dahlia J" <dahlia.porter@vanderbilt.edu>, "Haglund, Richard F" <richard.haglund@vanderbilt.edu>, "Schall, Jeffrey D" <jeffrey.d.schall@vanderbilt.edu>

This looks reasonable to me.
[Quoted text hidden]

--- Jonathan M. Gilligan  www.vanderbilt.edu/geo/jonathangilligan
Associate Director for Research,  Vanderbilt Climate Change Research Network
Associate Professor, Department of Earth and Environmental Sciences
Vanderbilt University N 1213
P.O. Box 105120  Dept. Office: 222-2794
Nashville, TN 37235-1051
2126 Vasser Hall  Fax: 222-2794

Also: the scientific conscience had got into the dehumanizing company
of money obligation and selfish respects.
--- George Eliot
CEP action re: changes to CSET major and minor

David Weintraub <david.a.weintraub@vanderbilt.edu>       Wed, Feb 29, 2012 at 1:03 PM
To: "Campbell, Karen E." <karen.e.campbell@vanderbilt.edu>, "Mulse, Michael R." <michael.mulse@vanderbilt.edu>, "Folgarait, Leonard" <leondard.folgarait@vanderbilt.edu>

1. Is there sufficient support for these extensive changes, given that nearly half (4 of 9 affiliated faculty) did not vote on the proposal?

Yes.

Professors Clayton and Porter teach ENGL 243, which usually is appropriate for CSET majors and they strongly encourage CSET students to take this class. Both are listed as affiliated faculty for this reason, but neither ever responds to requests like this one for approval for programmatic changes.

Professor Moxvig teaches several courses appropriate for CSET majors and strongly encourages CSET students to take these classes. He is listed as affiliated faculty for this reason, but he never responds to requests like this one for approval for programmatic changes.

Professor Chappell left the university at the end of last summer and so is no longer involved. He is not included in the revised list of Affiliated Faculty for this reason.

Professor Kovalchek used to be strongly involved in the program and in our decision-making, but he no longer responds. He is not included in the revised list of Affiliated Faculty for this reason.

Professor Stubble believes he was appointed to this Faculty by the Dean and that his term has expired, so he no longer votes. He is not included in the revised list of Affiliated Faculty for this reason.

Professor Rowe is on the Affiliated faculty because of the role of Engineering in this program and because some Engineering students pursue this major. He never votes on anything, but he remains my point of contact within the School of Engineering.

Those who voted -- Ernst, Haglund, Schall, Gilligan, myself -- are the ones who regularly are involved in CSET decision-making. And all very strongly support these extensive changes. Their letters of support are attached.

As per your suggestion from last summer, I consider Ernst, Haglund, Schall, and Gilligan my Steering Committee. The others are exactly what the title indicates: Affiliated Faculty. I seek, but do not expect, their input and responses on anything outside of their personal domains.

2. We request letters of support from Professor Fay and Professor Metz, given the increased involvement of Film Studies and MHS courses in the CSET curriculum.

Attached.

3. At the same CEP meeting, we considered a proposal from Film Studies for a broad revision of the major and minor; these changes have consequences for the CSET revisions. (For example, FILM 170 will be deleted and replaced with a special topics course [FILM 175] that may not meet CSET needs.) Please be in touch with Professor Fay about the proposal in Film Studies, in order to make adjustments in the CSET proposal.

As of January 16, when I last consulted with Professor Fay, she directly recommended FILM 170 for CSET majors (see her letter). Obviously, if, since that time, FILM 170 has been replaced with FILM 176, we need to adjust. I will check with Jennifer. I request that the CEP approve the concept that the CSET major will include a small number of FILM courses as options for CSET majors, and that the specific courses will be those specifically approved as such by the director of the Film Studies program. Then, once FILM gets their program sorted out, we will adjust the list of FILM courses in the CSET program listing accordingly.

4. CEP members questioned whether a special topics course (CSET 150) is appropriate as a foundations course; this is of concern because you write that the alternative, CSET 257, may not be taught again. Please address this in your rationale with the revised proposal, and tell us how often CSET will be taught.

CMST 237 was created by Rick Chappell. He has retired. The CMST department is not interested in supporting this course into the future and I think it would be better for the CSET program to own it’s own foundations course. These are the reasons why CMST 237 is likely to not be taught again.

I agree that, long term, a special topics course is not the right vehicle for the foundations course. But CSET 150 is, for now, the appropriate course. But a year from now, you and I will need to discuss this course. It will be taught next year and for the foreseeable future, by an adjunct, Stephen Omes, who lives locally (his wife is a midwife working at Vanderbilt) and is a professional science writer.

He has two terminal Master's degrees, one in Applied Mathematics from the University of Missouri (2003) and the other from the most prestigious Science Writing program in the country, at MIT (2006). He is an accomplished science writer with one book to his credit, in addition to his many magazine and newspaper articles and blogs. In November, I submitted the paperwork for hiring him as an adjunct to teach next year.
5. Please provide a revised assessment plan (or include information in the revised proposal that a revised assessment is not necessary). The plan should go to Jonathan Bremer.

6. When you re-submit, please include both red-lined (current) catalog copy and clean (proposed) copy.

7. As I stated above, this is a complex set of requirements. While much of the copy is clear and detailed, there are several points that were re which there are minor errors:

* In point 2 of the major requirements (and of the minor requirements), we suggest "Natural Science and Engineering," since students are re science courses, but may avoid engineering courses in this option.

done.

also changed the title of point 2 for the Minor to be "natural science and engineering courses" rather than "science and engine-

* In point 5 (p. 8) of the major requirements, we ask you to revise the wording. Are "credits" "credit hours"? May a student take 2 credit hour CSET 289, 290, or 296, or is s/he required (if choosing this option) to take at least 1 credit hour from any 2 of these courses? Rather than ": courses plus two credits from 5e)", we request something like: "Three electives, chosen from:... and clearer language in point 5c.

done.

Also, the wording of point 5 on page 8 of the proposal differs from the wording in the revised catalog copy on page 16, leaving us further uncertainty.

same words now done.

* The proposed major counts a maximum of 13 hours of natural science of engineering courses, even if a student takes 3 4-hour courses (p reply a loss of 5 credit hours toward CSET. This echoes a similar rule in the current CSET major, but CEP is curious about the rationale for this.

The goal was for students to obtain breadth by taking at least five "courses": this is why the title of the requirement is stated in not credit hours. Four 4-hour courses provides significantly less breadth than five 3-hour courses. We could simply delete the "Students may count 15 hours of Natural Science and/or Engineering courses toward this part of 38 or 3 requirement, even if they choose to take five 4-credit-hour courses."

as this is, in my opinion, completely redundant and just added for clarity.

In that same point (p. 15), please revise the wording to "Students MAY only count 15 hours..."

changed. also changed '4-hour' to 4-credit-hour' to make this more clear

(Similar questions and the request for wording change apply to point 2b of the minor requirements, on p. 18.)

changed. also changed '4-hour' to 4-credit-hour' to make this more clear

* Also in point 2 on p. 15, we determined that the list in parentheses comprises courses that do NOT count toward the requirement, but that way the sentence is constructed. Please revise the sentence for clarity.

done.

8. Minor typos:

* On p. 18, under point 1, the options should be a, b, and c (not f, a, and b).

done.

* And, to demonstrate that we are REALLY paying attention, footnote 12 on page 9 refers to majors, but is linked to requirements for minor.
---

David A. Weintraub
Chair, Vanderbilt University Faculty Senate 2011-2012
Professor of Astronomy and
Director of Undergraduate Studies, Department of Physics & Astronomy
Director, Program in the Communication of Science and Technology (CSET)
Co-Director, Scientific Computing Program
Google Scholar: http://scholar.google.com/citations?user=KOrEwdkAAAAJ

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Vanderbilt University
Nashville, TN 37235

Email: david.a.weintraub@vanderbilt.edu
phone: 615-322-5034
fax: 615-343-7263
office: 6910 Stevenson Center

7 attachments
- CSET program revisions proposal 2012 v2.docx 143K
- Ernst approval for CSET major.pdf 63K
- Fay approval for CSET.pdf 67K
- gilligan approval of CSET major.pdf 75K
- haglund approval for CSET major.pdf 83K
- Metzl approval for CSET.pdf 87K
- Schall approval for CSET major.pdf 61K

CSET: Proposal to Revise rules for Major
RE: your proposal, CEP meeting of March 28, 2012

David Weintraub <david.a.weintraub@vanderbilt.edu>

To: "Folgarait, Leonard" <leonard.folgarait@vanderbilt.edu>
Cc: "Muse, Michael R" <michael.muse@vanderbilt.edu>

Leonard,
See comments (in bold) and attachments. Thanks,
David

On Wed, Mar 28, 2012 at 9:48 PM, Folgarait, Leonard <leonard.folgarait@vanderbilt.edu> wrote:

Dear Prof. Weintraub,

The Committee on Educational Programs met today to consider your revised proposal for a Major and Minor in the Communication of Science & Technology. While we recognize and appreciate how extensively you have revised the last draft, we still saw areas that need clarification that led to our decision to table the proposal.

I list below that issues that need your attention

1. For catalog standards, if any footnotes are critical, they must be in the program description as actual text, not footnotes, in the catalog copy

No footnotes exist in the catalog copy (attached).

2. Need “Red” and “Black” catalog copy per the CEP instructions for proposals.

See attachments.

3. The difference between the regular major and honors must be more explicit in the catalog copy. Could just say 39 hours are required for the major and for completion of honors. Change “up to three hours” for 296 to “at least three hours.”

Changes as suggested by Michael are implemented in the revised documents (attached).

4. A minor concern – need better rationale for having CSET 150, a special topics course, as the introductory course.

CSET 150 was created before we knew, with certainty, that Professor Chappell was retiring and before we knew, with a high degree of confidence, that CMST 237 will not be a future teaching priority for the CMST department.

I completely agree that CSET 150, long term, is not the best vehicle to be the introductory course, but for this year and next, it is working extremely well (much better than CMST 237 ever did). As explained in previous messages, we are using this course as a bridge from the past (when CMST 237 was taught regularly, before Rick Chappell retired) to the future (we will create a regular, introductory core course that will be offered instead of CSET 150, and then we can reserve CSET 150 for ‘special topics’). CSET 150 is being taught by professionally trained science writers in Nashville, and the ‘special topics’ rubric provides the flexibility we need to allow them to provide the students with instruction in the core areas of science communications (primarily writing and styles of research and presentation) as well as instruction in creative and imaginative new areas (blogging, twitting, YouTube video-ing) that are rapidly emerging and that are the special skills of each particular instructor.

In 2012-2013, we will propose to create a new course, CSET 201 (perhaps) that will become the permanent replacement for CMST 237; but for the time being, without that course in place, CSET 150 is our placeholder.

5. A major critical concern - need revised assessment plan sent to Jonathan Bremer.

To be submitted separately to JB. Jonathan is currently doing some detective work for me on portfolio software.

6. Please explain strike-outs on page 17.

These strike-outs are in item 3 for the requirements to Admission to the Honors Program.

Prior to 2008-2009, the courses CSET 289 and 290 did not exist. In those earlier years, students who did any kind of on-campus research project or writing internship did so by using the course numbers INDS 280a-b-c. The struck-out language was in the catalog to ‘grandfather’ into the program students who might have taken INDS 280a-b-c. Since we no longer need to utilize the INDS 280a-b-c designations and since no current CSET majors entered Vanderbilt when we used these courses for research and internship projects,
Leonard, CEP Chair

Leonard Folgarait  
Professor of History of Art  
Vanderbilt University  
Box 0274 GPC  
230 Appleton Place  
Nashville, TN 37203

---

David A. Weintraub  
Chair, Vanderbilt University Faculty Senate 2011-2012  
Professor of Astronomy and  
Director of Undergraduate Studies, Department of Physics & Astronomy  
Director, Program in the Communication of Science and Technology (CSET)  
Co-Director, Scientific Computing Program  
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or 6301 Stevenson Center (for FedEx/overnight mail or packages)  
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Nashville, TN 37235

Email: david.a.weintraub@vanderbilt.edu  
[Quoted text hidden]

2 attachments

- new_catalog_copy.docx  
  152K
- strikethrough_copy.docx  
  170K
Dear Professor Weintraub,

I have added this change to the Curriculum project of updating all course prerequisites. No need for a form. It will go to the next council meeting.

Sincerely,

Michael

Michael Muse
College of Arts and Science Registrar’s Office
Vanderbilt University
Phone: 615-343-3156
Email: michael.r.muse@Vanderbilt.Edu

Michael, 

You wrote to me, in regard to patching up my proposal to revise the CSET major and minor:

Make CSET 289 and 290 prerequisite to CSET 296. We are currently updating prerequisites courses in a full review in the Curriculum Committee. If it would help to have 289 and 290 as prerequisite for 296, we could do this with an email from Professor Weintraub.

Michael, as per your suggestion above, please go ahead and make this change. It makes sense and is a good idea.

David

---

David A. Weintraub
Chair, Vanderbilt University Faculty Senate 2011-2012
Professor of Astronomy and
Director of Undergraduate Studies, Department of Physics & Astronomy
Director, Program in the Communication of Science and Technology (CSET)
Co-Director, Scientific Computing Program
Google Scholar: http://scholar.google.com/citations?user=KO6EwokAAAAJ

mailing address:
VU Station B, #351807 (regular mail)
or 8301 Stevenson Center (for FedEx/overnight mail or packages)
Vanderbilt University
Nashville, TN 37235
Dear Jonathan,

Excellent! With this news, I repeat the CEP approval of the CSET proposal, with a vote of 4 in favor, 0 opposed, 0 abstaining.

Does this suffice for FC to now receive the proposal?

My best,

Leonard

Leonard Folgarait
Professor of History of Art
Vanderbilt University
Box 0274 GPC
230 Appleton Place
Nashville, TN 37203

From: Bremer, Jonathan E
Sent: Friday, April 27, 2012 10:14 AM
To: Folgarait, Leonard
Subject: CSET assessment plan

Dear Leonard:

Greetings! This message is to let you know that CSET has revised its assessment plan in accordance with the proposed revisions to its major, minor, and honors program.

Have a great weekend,

Jonathan

Jonathan Bremer, Ph.D.
Program Coordinator, A&S Dean's Office
A&S Executive Secretary of the Faculty
Senior Lecturer, Department of Philosophy
304 Alumni Hall
Vanderbilt University
(615) 322-7747