

## Approval Chart for Curriculum Changes

A = Approve    I= Information Item<sup>1</sup>    R= Advise & Respond<sup>2</sup>

BS Physical Science Teaching  
(CPST)  
Composite Science

Course Number \_\_\_\_\_ or Degree Plan(s) Teaching Track (CMST)

State the requested change and reason. A memo may be attached if more space is necessary.

We propose to add the chemistry Composite Science Teaching Track (CMST) to the Physical Science Teaching degree (CPST). Our alumni who graduate with either the Chemistry or Physical Science teaching track report that principals and hiring administrators overwhelmingly prefer secondary science teachers who possess the Composite Science certification when available. Simultaneously, we propose to move the CHMT Chemistry Teaching Track from the BS Chemistry degree to the Physical Science Teaching CPST degree, uniting all teaching tracks in our department under the same degree. We also propose to add CHEM 401 Secondary Science Teaching Methods to all tracks. To make room, PHYS 482 (CPST) and 3 hrs of electives (CHMT) are deleted.

The revised degree would be CPST Physical Science Teaching with tracks CPST Physical Science Teaching, CHMT Chemistry Teaching, and CMST Composite Science Teaching.

Circle the number that corresponds to the requested change. Degree plan changes are on the second page.

|     |                                                                                                                  | COUNCIL <sup>3</sup> |                  |       |     |      |      |      |         |           |
|-----|------------------------------------------------------------------------------------------------------------------|----------------------|------------------|-------|-----|------|------|------|---------|-----------|
|     | Change to a Course                                                                                               | Dept./School         | College Academic | Deans | TEC | UGEC | UUAC | GRAD | Provost | President |
| 1.  | Title (description unchanged)                                                                                    | A                    | A                | A     | I   |      |      |      | I       | I         |
| 2.  | Description (not affecting content)                                                                              | A                    | A                | A     | I   |      |      |      | I       | I         |
| 3.  | Content (substantive change)                                                                                     | A                    | A                | A     | I   |      |      |      | A       | A         |
| 4.  | Number of hours (lecture, lab, contact)                                                                          | A                    | A                | A     | A   |      |      |      | A       | A         |
| 5.  | Course number within the hundred                                                                                 | A                    | A                | I     | I   |      |      |      | I       | I         |
| 6.  | Course number beyond the hundred                                                                                 | A                    | A                | A     | A   |      |      |      | A       | A         |
| 7.  | Prerequisites                                                                                                    | A                    | A                | A     | I   |      |      |      | I       | I         |
| 8.  | Course fee(s)                                                                                                    | A                    | --               | A     | --  |      |      |      | A       | I         |
| 9.  | From U to G <i>or</i> G to U                                                                                     | A                    | A                | A     | A   |      |      |      | A       | A         |
| 10. | Cross list with another department: U or G level                                                                 | A                    | A                | A     | A   |      |      |      | A       | A         |
| 11. | Department of record                                                                                             | A                    | A                | A     | A   |      |      |      | A       | A         |
| 12. | Open or close a course                                                                                           | A                    | A                | A     | A   |      |      |      | A       | A         |
| 13. | New course — See website for application and process.<br>This change includes combining or splitting a course(s) | A                    | A                | A     | A   |      |      |      | A       | A         |

Note: When an academic unit does not have a council, the UGEC and/or UUAC will serve as its academic council, depending on the nature of the issue.

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|     |                                                                                                             | COUNCIL <sup>3</sup> |                  |       |     |      |     |      |         |         |           |                   |
|-----|-------------------------------------------------------------------------------------------------------------|----------------------|------------------|-------|-----|------|-----|------|---------|---------|-----------|-------------------|
|     | Change to a Degree Plan                                                                                     | Dept./School         | College Academic | Deans | TEC | UGEC | UAC | GRAD | Provost | Faculty | President | Board of Trustees |
| 1.  | University Requirements — Change in approved course content <sup>6</sup>                                    | A                    | A                | A     | A   |      |     |      | A       | --      | A         | --                |
| 2.  | University Requirements — Add or drop a required course from the University Requirements chart <sup>6</sup> | A                    | A                | A     | A   |      |     |      | A       | A       | A         | --                |
| 3.  | University Requirements — Add or drop a course from a menu within the University Requirements <sup>6</sup>  | A                    | A                | A     | A   |      |     |      | A       | --      | A         | --                |
| 4.  | University Requirements — Change hours within a menu on the University Requirements chart <sup>6</sup>      | A                    | A                | A     | A   |      |     |      | A       | A       | A         | --                |
|     |                                                                                                             |                      |                  |       |     |      |     |      |         |         |           |                   |
| 5.  | Major — Revision of major <sup>4,5</sup>                                                                    | A                    | A                | A     | A   |      |     |      | A       | --      | A         | --                |
| 6.  | Major — Adopt or change admission requirements                                                              | A                    | A                | A     | A   |      |     |      | A       | --      | A         | --                |
| 7.  | Major — Add <sup>4,5</sup>                                                                                  | A                    | A                | A     | A   |      |     |      | A       | A       | A         | I                 |
| 8.  | Major – Discontinue (proposed by the department or college)                                                 | A                    | A                | A     | A   |      |     |      | A       | A       | A         | I                 |
| 9.  | Major – Discontinue (proposed by the Provost)                                                               | See below.           |                  |       |     |      |     |      |         |         |           |                   |
|     |                                                                                                             |                      |                  |       |     |      |     |      |         |         |           |                   |
| 10. | GPA — Revise major or cumulative requirement                                                                | A                    | A                | A     | A   |      |     |      | A       | A       | A         | --                |
|     |                                                                                                             |                      |                  |       |     |      |     |      |         |         |           |                   |
| 11. | Minor — Revise course selection                                                                             | A                    | A                | A     | I   |      |     |      | I       | --      | I         | --                |
| 12. | Minor — Add                                                                                                 | A                    | A                | A     | A   |      |     |      | A       | --      | A         | --                |
| 13. | Minor – Discontinue (proposed by the department or college)                                                 | A                    | A                | A     | A   |      |     |      | A       | --      | A         | --                |
| 14. | Minor – Discontinue (proposed by the Provost)                                                               | See below.           |                  |       |     |      |     |      |         |         |           |                   |
|     |                                                                                                             |                      |                  |       |     |      |     |      |         |         |           |                   |
| 15. | Degree — Add                                                                                                | A                    | A                | A     | A   |      |     |      | A       | A       | A         | I                 |
| 16. | Degree – Discontinue (proposed by the department or college)                                                | A                    | A                | A     | A   |      |     |      | A       | A       | A         | I                 |
| 17. | Degree – Discontinue (proposed by the Provost)                                                              | See below.           |                  |       |     |      |     |      |         |         |           |                   |
| 18. | Any change to a graduate degree program                                                                     | A                    | A                | A     | A   |      |     |      | A       | --      | A         | --                |

| COUNCIL <sup>3</sup> |                                                                |         |            |      |     |      |          | Board of Trustees |         |           |
|----------------------|----------------------------------------------------------------|---------|------------|------|-----|------|----------|-------------------|---------|-----------|
|                      | Provost-Proposed Change                                        | Provost | Department | Dean | TEC | UUAC | Graduate |                   | Faculty | President |
| 1.                   | Major/Graduate Program – Discontinue (proposed by the Provost) | A       | R          | R    | A   |      |          | A                 | A       | I         |
| 2.                   | Minor – Discontinue (proposed by the Provost)                  | A       | R          | R    | A   |      |          | --                | A       | --        |
| 3.                   | Degree – Discontinue (proposed by the Provost)                 | A       | R          | R    | A   |      |          | A                 | A       | I         |

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### COUNCIL<sup>3</sup>

|    | Change to the Catalog Information                                                                                            | Dept./School | College Academic | Deans | UGEC | UUAC | GRAD | Provost | Faculty | President |
|----|------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------|------|------|------|---------|---------|-----------|
| 1. | General requirements for graduation including course requirements that are common to all majors for all degrees <sup>7</sup> | --           | --               | --    |      | A    |      | A       | A       | A         |
| 2. | Admission requirements                                                                                                       | --           | --               | --    |      | A    |      | A       | A       | A         |
| 3. | Policies governing academic probation and suspension                                                                         | --           | --               | --    |      | A    |      | A       | A       | A         |
| 4. | Requirements for graduating with honors                                                                                      | --           | --               | --    |      | A    |      | A       | A       | A         |
| 5. | Other academic policy changes                                                                                                | --           | --               | --    |      | A    |      | A       | --      | A         |

<sup>1</sup> Councils may request additional information about “Information” items. These items are approved as “Consent Agenda.”

<sup>2</sup> The Dean and Department should respond to the Provost’s recommendation to close a program in writing. Advise & Respond (R) requires that the voting body should receive the written responses at least one week prior to the vote.

<sup>3</sup> All courses that meet University Requirements for general education must go through UGEC. Courses or degrees offered only to students seeking teacher certification must go through the Teacher Education Council. All undergraduate changes must go before the UUAC. All graduate degree plan changes must go through the Graduate Council.

<sup>4</sup> A minimum of 30 hours is required for a major. A maximum is specified for each degree (e.g., BA, BS). The university minimum for elective hours is 6, unless the requirements of external accrediting bodies make it impossible.

<sup>5</sup> Program or course changes that apply to any major that includes Teacher Certification will be reviewed by the college, the Teacher Education Council (TEC), and then the UUAC.

<sup>6</sup> Courses that satisfy ACU’s University Requirements (General Education) will normally have lower-level numbering, be free of prerequisites and co-requisites, appeal to more than one or two majors, and “not narrowly focus on those skills, techniques, and procedures specific to a particular occupation or profession” (SACS 2.7.3). Departments may request exceptions to the first three criteria.

<sup>7</sup> The UUAC approved the clarification that “general requirements for graduation” means the enumerated items in the “General Requirements for Bachelor’s Degrees” section of the catalog.

Revised 10-16-13

## Curriculum/Catalog Changes Signature Page

|                                                                                                               |                                                    |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>Department/School Chair(s)</b>                                                                             |                                                    |
| <br>_____<br><i>Signature</i> | February 26, 2014<br>_____<br><i>Approval date</i> |
| _____<br><i>Signature</i>                                                                                     | _____<br><i>Approval date</i>                      |

|                                    |                               |
|------------------------------------|-------------------------------|
| <b>College Academic Council(s)</b> |                               |
| _____<br><i>Signature</i>          | _____<br><i>Approval date</i> |
| _____<br><i>Signature</i>          | _____<br><i>Approval date</i> |

|                           |                               |
|---------------------------|-------------------------------|
| <b>Dean(s)</b>            |                               |
| _____<br><i>Signature</i> | _____<br><i>Approval date</i> |
| _____<br><i>Signature</i> | _____<br><i>Approval date</i> |

|                                   |                               |
|-----------------------------------|-------------------------------|
| <b>Teacher Education Council</b>  |                               |
| _____<br><i>Chair's signature</i> | _____<br><i>Approval date</i> |

|                                   |                               |
|-----------------------------------|-------------------------------|
| <b>General Education Council</b>  |                               |
| _____<br><i>Chair's signature</i> | _____<br><i>Approval date</i> |

|                                       |                               |
|---------------------------------------|-------------------------------|
| <b>Undergraduate Academic Council</b> |                               |
| _____<br><i>Chair's signature</i>     | _____<br><i>Approval date</i> |

|                                   |                               |
|-----------------------------------|-------------------------------|
| <b>Graduate Council</b>           |                               |
| _____<br><i>Chair's signature</i> | _____<br><i>Approval date</i> |

|                           |                               |
|---------------------------|-------------------------------|
| <b>Provost</b>            |                               |
| _____<br><i>Signature</i> | _____<br><i>Approval date</i> |

|                                         |                               |
|-----------------------------------------|-------------------------------|
| <b>Faculty</b>                          |                               |
| _____<br><i>Chair of faculty senate</i> | _____<br><i>Approval date</i> |

|                           |                               |
|---------------------------|-------------------------------|
| <b>President</b>          |                               |
| _____<br><i>Signature</i> | _____<br><i>Approval date</i> |

## HIGH SCHOOL TEACHER CERTIFICATION - PHYSICAL SCIENCE (BS)

| BS: HIGH SCHOOL TEACHER CERTIFICATION – PHYSICAL SCIENCE<br>DEGREE PLAN (CPST)                                            |                  |
|---------------------------------------------------------------------------------------------------------------------------|------------------|
| UNIVERSITY REQUIREMENTS                                                                                                   |                  |
| Please see the <a href="#">University Requirements</a> section of this catalog.                                           |                  |
| MAJOR REQUIREMENTS                                                                                                        |                  |
| CHEM 133 General Chemistry I Lecture                                                                                      | (3) <sup>1</sup> |
| CHEM 131 General Chemistry I Lab                                                                                          | 1                |
| CHEM 132/134 General Chemistry II Lecture/Lab                                                                             | 4                |
| CHEM 221/223 Organic Chemistry I Lecture/Lab                                                                              | 4                |
| <b>TOTAL</b>                                                                                                              | <b>15</b>        |
| <sup>1</sup> Hours (in parentheses) may also fulfill university requirements<br>and are not included in total major hours |                  |
|                                                                                                                           | 3                |
|                                                                                                                           | 3                |

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| SUPPLEMENT FOR MAJOR (TRACKS)                               |                        |
|-------------------------------------------------------------|------------------------|
| <b>PHYSICAL SCIENCE Track (CPST)</b>                        |                        |
| <u>CHEM 322/324 Organic Chemistry II Lecture/Lab</u>        | <u>4</u>               |
| CHEM 341 Environmental Chemistry                            | 3                      |
| <u>CHEM 355 Analytical Chemistry I</u>                      | <u>4</u>               |
| GEOL 111 Introduction to Geology                            | (3) <sup>1</sup>       |
| MATH 185 Calculus I                                         | (3) <sup>1</sup>       |
| PHYS 101 Astronomy                                          | 3                      |
| PHYS 120/121 Engineering Physics I Lecture/Lab              | 4                      |
| PHYS 122/123 Engineering Physics II Lecture/Lab             | 4                      |
| PHYS 230/231 Modern Physics Lecture/Lab                     | 4                      |
| <b>TOTAL</b>                                                | <b><u>26</u></b>       |
| <b>CHEMISTRY EDUCATION Track (CHMT)</b>                     |                        |
| <u>CHEM 322/324 Organic Chemistry II Lecture/Lab</u>        | <u>4</u>               |
| <u>CHEM 355 Analytical Chemistry I</u>                      | <u>4</u>               |
| CHEM 356 Analytical Chemistry II                            | <u>4</u>               |
| CHEM 413 Physical Chemistry/Life Sciences                   | 3                      |
| CHEM 453 Biochemistry I                                     | 3                      |
| Advanced Chemistry Course                                   | 3                      |
| PHYS 110 Gen. Physics I                                     | (3) <sup>1</sup>       |
| PHYS 111 Gen. Physics I Lab                                 | 1                      |
| PHYS 112/113 Gen. Physics II Lecture/Lab                    | 4                      |
| MATH 131 Calculus for Application or                        | (3) <sup>1</sup>       |
| MATH 185 Calculus I                                         |                        |
| <b>TOTAL</b>                                                | <b><u>26</u></b>       |
| <b>COMPOSITE SCIENCE Track (CMST)</b>                       |                        |
| <u>BIOL 112/114 General Biology I Lecture/Lab</u>           | <u>4</u>               |
| <u>BIOL 113/115 General Biology II Lecture/Lab</u>          | <u>4</u>               |
| <u>BIOL 312 Cell Biology</u>                                | <u>3</u>               |
| <u>PHYS 101 Astronomy</u>                                   | <u>(3)<sup>1</sup></u> |
| <u>PHYS 120/121 Engineering Physics I Lecture/Lab</u>       | <u>4</u>               |
| <u>PHYS 122/123 Engineering Physics II Lecture/Lab</u>      | <u>4</u>               |
| <u>Pick eight hours from:</u>                               | <u>8</u>               |
| <u>CHEM 322/324 Organic Chemistry II Lecture/Lab and/or</u> |                        |
| <u>BIOL 353/354 General Microbiology Lecture/Lab and/or</u> |                        |
| <u>PHYS 230/231 Modern Physics Lecture/Lab</u>              |                        |
| <u>GEOL 111 Introduction to Geology</u>                     | <u>3</u>               |
| <u>MATH 185 Calculus I</u>                                  | <u>(3)<sup>1</sup></u> |
| <b>TOTAL</b>                                                |                        |

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|-------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                                                                                                                                           | <b>30</b>        |
| <b>PROFESSIONAL EDUCATION REQUIREMENTS</b>                                                                                                |                  |
| EDUC 211 Education Foundations and Multicultural Perspectives                                                                             | 3                |
| EDUC 221 Educational Psychology                                                                                                           | (3) <sup>1</sup> |
| EDUC 412 Secondary Curriculum and Media (capstone course)                                                                                 | 3                |
| EDUC 432 Secondary Management and Methods (capstone course)                                                                               | 3                |
| EDUC 476 Effective Strategies for English Language Learners                                                                               | 3                |
| EDUC 490 Student Teaching (capstone course)                                                                                               | 6                |
| <i>Must make application and be approved to take EDUC 490.</i>                                                                            |                  |
| READ 322 Reading in Secondary Content Areas                                                                                               | 3                |
| SPED 371 Teaching Students with Special Needs<br>(writing-intensive course)                                                               | 3                |
| <b>TOTAL</b>                                                                                                                              | <b>24</b>        |
| <sup>1</sup> Hours (in parentheses) may also fulfill university requirements and are not included in total major hours                    |                  |
| <b>ELECTIVES</b>                                                                                                                          |                  |
| Minimum <u>(CPST)</u>                                                                                                                     | 7                |
| Minimum <u>(CHMT)</u>                                                                                                                     | <u>7</u>         |
| Minimum <u>(CMST)</u>                                                                                                                     | <u>3</u>         |
| <b>TOTAL MAJOR HOURS</b>                                                                                                                  | <b>72</b>        |
| <b>CRITERIA FOR ADMISSION TO TEACHER EDUCATION</b>                                                                                        |                  |
| In accordance with Texas state law, students must meet the admission criteria described in the <a href="#">Teacher Education</a> section. |                  |
| <b>OTHER GRADUATION REQUIREMENTS</b>                                                                                                      |                  |
| Minimum GPA for graduation                                                                                                                | 2.75             |
| Minimum advanced hours                                                                                                                    | 33               |
| Minimum total hours                                                                                                                       | 128              |
| Courses numbered 0** do not count in minimum hours required for degree.                                                                   |                  |