

## Abilene Approval Chart for Curriculum Changes

A = Approve      I = Information Item      R = Respond In Writing

**Course Number: Chem 333                      or Degree Plan(s):**

### Course description change

Chem 333 and 334 are part of a two semester physical chemistry sequence.

The order that material is covered has changed in Chem 333 and Chem 334. Dr. Robison has found that this switched presentation of material is beneficial to students. Therefore we need to switch the course descriptions. This is not an unusual order of material and many universities follow this order in Physical Chemistry.

In the past, almost all students who took one of these courses took both. The learning outcomes are the same, they have just switched semesters. So overall, this is not a major change. Soon though, we will bring forward a degree plan that only requires one of the courses. We, therefore, want to make sure the catalog aligns with the current practice so that the students are taking the right material.

Current Course Description: "Thermodynamics and its application to systems at equilibrium, including chemical and phase equilibrium, solutions and colligative properties, ideal and real gases, and others."

New Course Description: "Kinetic-molecular theory, transport processes such as diffusion and viscosity, rates of reactions (chemical kinetics), quantum mechanics, spectroscopy, and statistical mechanics."

|     |                                                                                                                          | Dept./School | College | Dean | TBC | AUAC/Grad | Provost |
|-----|--------------------------------------------------------------------------------------------------------------------------|--------------|---------|------|-----|-----------|---------|
|     | <b>Campus-Level Academic Review<sup>1</sup></b>                                                                          |              |         |      |     |           |         |
|     | <b>Change to a Course</b><br>Include signatures from all chairs/program directors for cross-listed courses. <sup>1</sup> |              |         |      |     |           |         |
| 1.  | Title (description unchanged)                                                                                            | A            | A       | A    | I   | I         | I       |
| 2.  | Description (not affecting content)                                                                                      | A            | A       | A    | I   | I         | I       |
| 3.  | Course term(s)                                                                                                           | A            | I       | A    | I   | I         | I       |
| 4.  | Content (change of course outcomes)                                                                                      | A            | A       | A    | I   | I         | A       |
| 5.  | Number of credit hours                                                                                                   | A            | A       | A    | A   | A         | A       |
| 6.  | Course number within the hundred                                                                                         | A            | A       | I    | I   | I         | I       |
| 7.  | Course number beyond the hundred                                                                                         | A            | A       | A    | A   | A         | A       |
| 8.  | Prerequisites                                                                                                            | A            | A       | A    | I   | I         | I       |
| 9.  | Course restriction (e.g., majors only, junior standing)                                                                  | A            | A       | A    | A   | A         | A       |
| 10. | Level change (U to G or G to U)                                                                                          | A            | A       | A    | A   | A         | A       |
| 11. | Cross list course                                                                                                        | A            | A       | A    | A   | A         | A       |

|     |                                                           |   |   |   |   |   |   |
|-----|-----------------------------------------------------------|---|---|---|---|---|---|
| 12. | Department of record                                      | A | A | A | A | A | A |
| 13. | Open or close a course                                    | A | A | A | A | A | A |
|     | <b>Change to a Degree Plan</b>                            |   |   |   |   |   |   |
| 14. | Educational Program — Revise                              | A | A | A | A | A | A |
| 15. | Educational Program — Adopt/revise admission requirements | A | A | A | A | A | A |
| 16. | GPA — Revise program-required GPA                         | A | A | A | A | A | A |
| 17. | Minor — Revise                                            | A | A | A | A | A | A |

|     |                                                           | Dept./School | College | Dean | TEC | AUAC/Grad | Provost | Campus Faculty | Senior VPAA | President |
|-----|-----------------------------------------------------------|--------------|---------|------|-----|-----------|---------|----------------|-------------|-----------|
|     | <b>Full Review</b>                                        |              |         |      |     |           |         |                |             |           |
|     | <b>Change to Catalog Information (for Campus)</b>         |              |         |      |     |           |         |                |             |           |
| 18. | General requirements for Bachelor's and Associate Degrees | -            | -       | -    | -   | A         | A       | A              | A           | I         |
| 19. | Policies governing academic probation and suspension      | -            | -       | -    | -   | A         | A       | A              | A           | I         |
| 20. | Requirements for graduating with honors                   | -            | -       | -    | -   | A         | A       | A              | A           | I         |
|     | <b>Change to a Degree Plan</b>                            |              |         |      |     |           |         |                |             |           |
| 21. | Educational Program — Add or Discontinue <sup>23</sup>    | A            | A       | A    | A   | A         | A       | A              | A           | I         |
| 22. | Educational Program — Discontinue (Provost-proposed)      | R            | -       | R    | A   | A         | A       | A              | A           | I         |
| 23. | Minor — Add or Discontinue                                | A            | A       | A    | A   | A         | A       | -              | A           | I         |
| 24. | Minor — Discontinue (Provost-proposed)                    | R            | -       | R    | A   | A         | A       | -              | A           | I         |
| 25. | Degree — Add or Discontinue                               | A            | A       | A    | A   | A         | A       | A              | A           | I         |
| 26. | Degree — Discontinue (Provost-proposed)                   | R            | -       | R    | A   | A         | A       | A              | A           | I         |

|     |                                                                             | Dept./School | College | Dean | AUAC | Provost | UGEC | University Faculty | Senior VPAA | President |
|-----|-----------------------------------------------------------------------------|--------------|---------|------|------|---------|------|--------------------|-------------|-----------|
|     | <b>Change to General Education Requirements for Undergraduates (System)</b> |              |         |      |      |         |      |                    |             |           |
| 27. | Change course outcomes of an included course                                | A            | A       | A    | A    | A       | A    | -                  | A           | I         |
| 28. | Add or drop a required course from the General Education Requirements       | A            | -       | A    | -    | A       | A    | A                  | A           | I         |
| 29. | Add or drop a course from a menu within the General Education Requirements  | A            | -       | A    | -    | A       | A    | -                  | A           | I         |
| 30. | Comprehensive revision of General Education Requirements                    | -            | -       | -    | -    | A       | A    | A                  | A           | I         |

#### Notes

<sup>2</sup> Any change to a cross-listed course requires the signature of both department chairs or program directors overseeing the course to ensure that the courses stay in sync. This includes courses taught at other campuses (e.g. BIBL 101 and BIBO 101).

must include a minimum of 30 hours, and doctoral programs must include a minimum of 30 hours beyond the master's.

<sup>4</sup> When a department/school or dean proposes closing a program, approval routing follows the typical process beginning with the department/school. An administrative proposal by the provost or senior vice president for academic affairs would follow the "provost-proposed" routing on the chart.

Updated 8/1/2023

**Department/School(s)**



10/16/23

Chair Signature

Date

Chair/Program Director Signature

Date

**College Academic Council(s)**



11/2/23

Chair Signature

Date

Chair Signature

Date

**Dean(s)**



11/2/23

Signature

Date

Signature

Date

**Teacher Education Council**

Signature

Date

**Campus Academic Council:  
Abilene Undergraduate or Abilene Graduate**

Signature

Date

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Signature

Date

**University General Education Council**

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Signature

Date

**University Faculty**

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Abilene Faculty Senate Chair signature

Date

---

Dallas Faculty Council Chair signature

Date

**Senior Vice President for Academic Affairs**

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Signature

Date

**President**

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Signature

Date

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Karen Witemeyer &lt;kmw03d@acu.edu&gt;

## Fwd: Switching Course Descriptions

Charla Miertschin <csm23a@acu.edu>  
To: Karen Witemeyer <kmw03d@acu.edu>

Fri, Dec 1, 2023 at 1:28 PM

FYI, Eric's response is below. Looks like these are good to go for next week's AUAC meeting. --Charla

----- Forwarded message -----

From: **Eric Gumm** <gummj@acu.edu>  
Date: Tue, Nov 28, 2023 at 2:48 PM  
Subject: Re: Switching Course Descriptions  
To: Autumn Sutherlin <als03c@acu.edu>  
Cc: Charla Miertschin <csm23a@acu.edu>

Autumn,

My apologies for the delay in getting back to you. We culled through all of the transfer equivalencies and the only ones we identified for CHEM 333 and 334 are these:

| TRANSFER INST NAME            | TRANSFER INST CODE | TRANSFER COURSE NAME | TRANSFER COURSE NUMBER | TRANSFER COURSE TITLE       | TRANSFER COURSE CREDIT HRS | EQUIV SUBJECT CODE | EQUIV COURSE NUMBER | EQUIV COURSE TITLE    | EQUIV ACTIVITY DATE      |
|-------------------------------|--------------------|----------------------|------------------------|-----------------------------|----------------------------|--------------------|---------------------|-----------------------|--------------------------|
| University of Texas-Arlington | 006013             | CHEM                 | 3322, 3182             | Physical Chemistry II & Lab | 4                          | CHEM               | 334                 | Physical Chemistry II | Jun 17, 2009 12:00:00 AM |
| Univ Houston-Downtown         | 006922             | CHEM                 | 3349                   | PHYSICAL CHEMISTRY LECT     | 3                          | CHEM               | 334                 | Physical Chemistry II | Jul 8, 2002 11:28:17 AM  |
| Howard Payne University       | 006278             | CHE                  | 3321/3129              | Physical Che II & Lab       | 4                          | CHEM               | 334                 | Physical Chemistry II | May 22, 2013 3:06:44 PM  |
| Howard Payne University       | 006278             | CHE                  | 3311/3119              | Physical Che I and Lab      | 4                          | CHEM               | 333                 | Physical Chemistry I  | May 22, 2013 3:06:44 PM  |

Once the course changes move through the curriculum approval process, you can let us know if adjustments should be made to any of those.

In addition, if a former student is readmitted at some point in the future, it will be important for their advisor to let us know so we can manually apply the course repeats correctly. But this will likely be an exceedingly rare scenario.

In His Service,  
Eric

Dr. Eric Gumm  
Assistant Vice President for Academic Affairs and University Registrar  
Abilene Christian University  
ACU Box 29104  
Abilene, TX 79699-9104

On Mon, Nov 13, 2023 at 12:56 PM Autumn Sutherlin <als03c@acu.edu> wrote:  
Hi Eric,

I realized recently that our Physical Chemistry I and II course descriptions are switched from the way they've been taught for the last cycle or two of P-Chem. (I didn't realize that the descriptions went into enough detail for it to matter.) Aaron switched the semesters to align with textbooks and the way most Chemistry departments teach it.

Anyway, I've already sent the paperwork through. But I was told I would need to consult with you. There are no students who have failed P-Chem I or II in the version that matches the way they are listed in the catalog. (I'm not sure there are any students that have failed P-chem in the recent past.)

It does mean that we would need to switch the way the courses transfer in. (Although I'd be surprised if we have had more than 1 or 2 students transfer in P-chem in the history of the department.) My guess is that for most of them, it will make more sense for the way they will line up. (Right now our P-chem I probably aligns with most P-chem II's at other schools. That is part of what we are trying to fix.)

Autumn

Autumn Sutherlin, Ph.D.  
Chair and Professor  
Department of Chemistry and Biochemistry  
Abilene Christian University