

UNDERGRADUATE COUNCIL

Request for New Course

Originating unit requesting course: _____ Computer Science _____

New course title: _____ Cloud Computing _____

New course number: _____ COSC 40233 _____

Appropriate computer abbreviation if title is more than 30 spaces: _____

Prerequisites for new course:

CITE 30103 and completed at least 18 hours in the major.

Effective date for course (semester and year): _____ Fall 2022 _____

Instructional methodology (Click in box to the left of the name to select a course type.)

(See departmental chairperson or deans for definition of type.):

- | | | | |
|--------------------------------------|---|---|---------------------------------------|
| <input type="checkbox"/> activity | <input type="checkbox"/> clinical | <input type="checkbox"/> directed study | <input type="checkbox"/> internship |
| <input type="checkbox"/> laboratory | <input checked="" type="checkbox"/> lecture | <input type="checkbox"/> lecture w/integrated lab | |
| <input type="checkbox"/> performance | <input type="checkbox"/> research | <input type="checkbox"/> seminar | <input type="checkbox"/> study abroad |

Description of new course (as it will appear in catalog copy):

COSC 40233 – Cloud Computing (3)

Prerequisites: CITE 30103 and completed 18 hours in the major.

This is an introductory course on Cloud Computing. The course will provide a detailed overview and help students get an overall understanding of cloud computing concepts. More specifically, students will get hands-on exposure to the AWS cloud, including but not limited to the AWS core services, security, and architecture.

1. Submit a representative course syllabus that includes the following:

- a. A concise course description including the course purpose (e.g. fulfill part of university, college, or department mission, discipline requirement, program enrichment, etc.) and course instructional methodology (e.g. lecture, laboratory, lecture and laboratory, clinical, internship, etc.)
- b. the goals of the course;
- c. a clear statement of course expectations - essentially, what students shall be expected to do in order to satisfactorily complete the course at different performance levels (generally speaking, what does it take to get an A, B, C, etc.);
- d. a statement of the faculty member's policies on attendance, make-up work, missed exams, etc;
- e. information concerning major projects or papers and when these assignments must be completed by the students;
- f. information about the number and dates of the exams;
- g. statements reflecting TCU policy regarding accommodations under Americans with Disabilities Act (ADA) ([this disabilities statement](#) MUST be included *verbatim*) and university policy regarding academic misconduct ([this statement](#), while not required, may be used); and
- h. a statement indicating how the instructor can be reached and how office hour requirements will be met.

A [syllabus template](#), which includes these required elements and others, is available from the Koehler Center.

2. Faculty Resources: How will the unit provide faculty support for this course?

Describe how this course will impact other current departmental listings.

The department plans to offer this new course every year. One Computer Science professor with experience in this domain has taught this course as an elective during Fall 2021. The feedback from students is very positive and many students suggest the department offering this course regularly. The course can be used as an elective course for both COSC and CITE majors provided they have the prerequisites. The addition of this new course introduces our students to various career pathways and will better prepare them for starting a career in the cloud.

3. Educational Resources: Will this course require additional resources not currently available (e.g., space, equipment, library)?

Yes

No

4. If this course affects other units of the University, include a statement signed by chairperson of the affected unit(s).**5. If cross-listed, provide evidence of approval of all curriculum committees appropriate to both the originating and cross-listed units.****6. If this course is to be delivered online, include a letter from the Koehler Center stating that program administrators and identified faculty are working with the Koehler Center to fulfill TCU Distance Learning requirement.**


 Approval signature of chairperson of originating unit