

UNDERGRADUATE COUNCIL
Request for Change(s)

Originating unit requesting change AddRan / Digital Culture and Data Analytics Minor

Type of Change requested:

- | | | |
|---|---|--|
| <input type="checkbox"/> Course number(s) | <input type="checkbox"/> Course prerequisite(s) | <input type="checkbox"/> Program title |
| <input type="checkbox"/> Course title | <input type="checkbox"/> Drop course(s) | <input type="checkbox"/> Program description |
| <input type="checkbox"/> Course description | <input type="checkbox"/> Drop program(s) | <input checked="" type="checkbox"/> Program requirements |

Semester and year change(s) take effect: Spring 2020 (if not sooner)

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

Briefly summarize the change requested:

We'd like to add a couple more options under the Required Courses category for the DCDA minor. We'd like to offer COSC 10603 as an alternative to GEOG 30323. We'd also like to add WRIT 40463 and WRIT 40563 as alternatives to the requirement currently satisfied by WRIT 40163, WRIT 40263, or WRIT 40363.

Catalog copy

Present catalog copy (paste-up from
catalog is acceptable.

Proposed change(s). (Include exact catalog
copy as desired. Underline changes)

Required Courses

<u>MATH 10043</u>	Elementary Statistics
	OR
<u>INSC 20153</u>	Statistical Analysis
<u>GEOG 30323</u>	Data Analysis and Visualization
<u>WRIT 40163</u>	Multimedia Authoring: Image and Video
	OR
<u>WRIT 40263</u>	Multimedia Authoring: Animation
	OR
<u>WRIT 40363</u>	Multimedia Authoring: Mobile Applications
<u>DCDA 40833</u>	Capstone Course

Required Courses

<u>MATH 10043</u>	Elementary Statistics
	OR
<u>INSC 20153</u>	Statistical Analysis
<u>GEOG 30323</u>	Data Analysis and Visualization
	OR
<u>COSC 10603</u>	Intro to Python for Data Analysis
<u>WRIT 40163</u>	Multimedia Authoring: Image and Video
	OR
<u>WRIT 40263</u>	Multimedia Authoring: Animation
	OR
<u>WRIT 40363</u>	Multimedia Authoring: Mobile Applications
	OR
<u>WRIT 40463</u>	Multimedia Authoring: Comics
	OR
<u>WRIT 40563</u>	Multimedia Authoring: Sound
<u>DCDA 40833</u>	Capstone Course

Request for Changes

Page 2

1. What is the justification for the change(s) requested?

We request these changes to increase the number of options students have to complete the DCDA requirements in a timely fashion. We've already run into issues of GEOG 30323 not being offered enough to keep up with student demand. Also, the English department now offers a suite of five Multimedia Authoring courses. Given the outcomes of the whole suite, it makes sense to include the two courses newly added (WRIT 40463 and WRIT 40563) as appropriate alternatives for the original 3 courses.

2. If applicable, explain how the change(s) will affect the current program outcomes and assessment mechanisms.

3. **Faculty Resources:** How will the unit provide faculty support for this change and any other impact this change may have on other current departmental listings.

The requested additional courses have been already approved by the relevant department chairs to be included in the DCDA program. While the main motivation for this request is to increase student options, an added benefit will actually be decreased pressure on the departments who offer the required courses.

4. **Educational Resources:** Will this change require additional resources not currently available (e.g. space, equipment, library, other)? ☐ YES
If yes, list additional resources needed. ☒ NO

5. If this change affects other units of the University, include a statement signed by the chairperson(s) of the affected unit(s).

6. If cross-listed, provide evidence of approval by all curriculum committees appropriate to both the originating and cross-listed units.


Approval signature of chairperson of originating unit

From: Gaul, Theresa t.gaul@tcu.edu
Subject: Re: Adding WRIT 40463 & 40563 to DCDA Minor
Date: October 2, 2019 at 6:29 AM
To: Rode, Curt c.ode@tcu.edu
Cc: Butler, Michael (Professor) m.butler@tcu.edu

TG

Hi, Curt,
I approve. Thanks for checking in.
Theresa

From: "Rode, Curt" <c.ode@tcu.edu>
Date: Tuesday, October 1, 2019 at 2:06 PM
To: Theresa Gaul <t.gaul@tcu.edu>
Cc: "Butler, Michael (Professor)" <m.butler@tcu.edu>
Subject: Adding WRIT 40463 & 40563 to DCDA Minor

Hey Theresa:

How are you? A quick question. I'm in the process of doing the paperwork to add new classes to the Digital Culture and Data Analytics (DCDA) minor. Currently, we include WRIT 40163, 40263, and 40363 as options for students to satisfy the multimodal authoring core requirement in the program. We'd like to add the other two course in that larger suite -- WRIT 40463 (Comic Production) and WRIT 40563 (Sound and Sampling) -- to that list.

If you glance below, you'll see we had Joddy's approval when he was chair. But now that I'm officially submitting the paperwork, Mike Butler thought it would be a good idea to secure a fresh confirmation from the current chair.

I hope the news is good, but please let me know if you have any questions or concerns.

And thanks for the consideration.

Curt

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Begin forwarded message:

From: "Murray, Joddy" <j.murray@tcu.edu>
Subject: Re: Adding WRIT 40463 to DCDA Minor
Date: March 26, 2019 at 3:18:06 PM CDT
To: "Rode, Curt" <c.ode@tcu.edu>
Cc: "Butler, Michael (Professor)" <m.butler@tcu.edu>, "Helms, Jason" <jason.helms@tcu.edu>, "Craig, A. Layne" <a.layne.craig@tcu.edu>

Hi Curt,

From: [Rode, Curt](#)
To: [Butler, Michael \(Professor\)](#)
Subject: Fwd: Requesting the Computer Science Department's Support for the AddRan Minor in "Digital Culture and Data Analytics"
Date: Tuesday, October 1, 2019 1:49:48 PM

Hey Mike:

Here's the exchange I had with Donnell Payne last spring regarding COSC 10603. Would that suffice to confirm COSC's support to include COSC 10603 in the minor?

Just let me know.

Curt

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Begin forwarded message:

From: "Rode, Curt" <c.ode@tcu.edu>
Subject: **Re: Requesting the Computer Science Department's Support for the AddRan Minor in "Digital Culture and Data Analytics"**
Date: April 5, 2019 at 9:34:19 AM CDT
To: "Payne, Donnell" <d.payne@tcu.edu>
Cc: "Butler, Michael (Professor)" <m.butler@tcu.edu>

Hey Donnell:

That's tremendous news. Thanks very much!

In answer to your questions: Our broader goal is for no one course to carry the entire load for a core requirement. For example, our Stats requirement has two courses students can choose from. Our Multimedia Authoring requirement now has five. Currently, our Data Analysis requirement only has GEOG 30323. The addition of COSC 10603 will take a good deal of pressure off GEOG 30323, which is currently offered once a year. The Geography department is hoping to offer GEOG 30323 more often thanks to their successful hire in Big Data this semester, but that remains to be seen. We're also in an unusual jam in the Fall semester because Kyle Walker who ordinarily teaches GEOG 30323 will be on paternity leave. He will teach it again in Spring 2020.

So, in terms of numbers, you might see several students from our program in the Fall, but those numbers should balance out starting Spring 2020.

Would you mind sharing how often you originally planned to run COSC 10603, before I made my request?

Thanks again. I really appreciate your willingness to support our program.

Curt

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On Apr 5, 2019, at 8:50 AM, Payne, Donnell <d.payne@tcu.edu> wrote:

Hi Curt,
Sorry for the oversight.

It sounds like COSC10603 would be good course to include and we would support that. Do you have any idea how many students to expect? Also, would there be one semester that the number would be larger than the other?

Reason I'm asking -- We are just now trying to figure out when to offer the COSC10603 course.

Thank you,
Donnell

From: Rode, Curt
Sent: Wednesday, April 3, 2019 9:25 AM
To: Payne, Donnell
Cc: Butler, Michael (Professor); Schoolmaster, Andrew
Subject: Re: Requesting the Computer Science Department's Support for the AddRan Minor in "Digital Culture and Data Analytics"

Hello again, Dr. Payne:

I'm writing again to follow up on my message from last week. Would you mind AddRan's Digital Culture and Data Analytics (DCDA) minor including COSC 10603: Introduction to Python for Data Analysis in its list of courses? COSC 10603 would be one of a couple of classes students could choose to satisfy the Data Analytics (DA) core requirement for the minor. As I note below, given the size of our minor and the fact that students will have options, we don't foresee any undue pressure on your course.

Please let me know your thoughts at your earliest convenience.

Thanks very much for your time and consideration.

Curt

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On Mar 27, 2019, at 11:41 AM, Rode, Curt <c.ode@tcu.edu> wrote:

Hello Dr. Payne:

How are you? I'm the director of the AddRan interdisciplinary minor in Digital Culture and Data Analytics, and I'm writing you now to request your approval as Chair of Computer Science to include **COSC 10603: Introduction to Python for Data Analysis** in the Data Analytics (DA) portion of the minor. Currently, we only have one course — GEOG 30323: Data Analysis and Visualization — which takes a deep dive into Python, and we'd love to be able to offer COSC 10603 as an alternative. And given that students will still have the option to take GEOG 30323, we don't foresee any undue pressures on your course.

For your convenience, I've included the DA Outcomes of the minor, which read:

Coding: Students will develop at least intermediate proficiency with at least one coding language used for spatial/statistical analysis (STATA, R, Python)

Data Management and Manipulation: students will know how to find data, create datasets, manipulate and clean data, and create new variables from pre-existing data sources.

Analysis and Statistics: Students will be able to choose and apply proper statistical methods for analysis and interpret the results of their analysis.

Regression and Spatial Analysis: students will be able to use GIS and statistical software to explore patterns, relationships, and processes.

Presentation of Data: Students will be able to present the results of their analysis in a variety of formats including: plots and graphs, digital mapping and cartography, online data presentation formats.

When you have a moment, would you send me your thoughts about our including COSC 10603 in our minor? And please let me know if you have any questions or concerns. Overall, we're trying to facilitate students progress through the minor while still requiring they take appropriately rigorous courses, and we'd very much appreciate your support.

Thanks very much.

Curt Rode

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