

**UNDERGRADUATE COUNCIL  
Request for Change(s)**

Originating unit requesting change

Type of Change requested:

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

Semester and year change(s) take effect:

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

Briefly summarize the change requested:

**Programs Only**

Program Name: \_\_\_\_\_

Current Code: \_\_\_\_\_ Proposed New Code (list 2): \_\_\_\_\_ or \_\_\_\_\_  
(ex: INDE-BFA)

Can have second major: \_\_\_\_ Yes \_\_\_\_ No

Current 6-digit CIP Code: \_\_\_\_\_

Does the change require a new or change in CIP code? \_\_\_\_ Yes \_\_\_\_ No

If yes, what is the proposed 6-digit CIP code? \_\_\_\_\_

\*for reference, please visit: <https://nces.ed.gov/ipeds/cipcode/resources.aspx?v=56>

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Catalog copy

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

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

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

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.

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Approval signature of chairperson of originating unit

Current catalog copy:

## Neuroscience, BS

### Requirements

The program of study requires a minimum of 78 hours, on a 124-hour degree, consisting of:

#### Biology (20 hours)

##### A. Required courses (8 hours):

<a href="#">BIOL 10501</a>	Introductory Biology Lab I	1
<a href="#">BIOL 10503</a>	Introductory Biology I	3
<a href="#">BIOL 10511</a>	Introductory Biology Lab II	1
<a href="#">BIOL 10513</a>	Introductory Biology II	3

##### B. Minimum of 12 hours selected from:

<a href="#">BIOL 30304</a>	Microbiology	4
<a href="#">BIOL 30404</a>	Comparative Vertebrate Anatomy	4
<a href="#">BIOL 30603</a>	Cellular, Molecular, and Developmental Biology	3
<a href="#">BIOL 30803</a>	Human Parasitology	3
<a href="#">BIOL 30843</a>	Biomedical Imaging	3
<a href="#">BIOL 40123</a>	Genetics	3
<a href="#">BIOL 40133</a>	Molecular Basis of Human Disease	3
<a href="#">BIOL 40203</a>	Histology	3
<a href="#">BIOL 40224</a>	Developmental Biology	4
<a href="#">BIOL 40254</a>	Immunology	4
<a href="#">BIOL 40403</a>	Mammalian Physiology	3
<a href="#">BIOL 40603</a>	Virology	3

#### Chemistry and Biochemistry (21-24 hours)

##### A. Required courses (18 hours):

<a href="#">CHEM 10113</a>	General Chemistry I	3
<a href="#">CHEM 10123</a>	General Chemistry II	3
<a href="#">CHEM 10122</a>	General Chemistry II Laboratory	2
	OR	
<a href="#">CHEM 20123</a>	Quantitative Analysis	3
<a href="#">CHEM 30121</a>	Organic Chemistry I Laboratory	1
<a href="#">CHEM 30123</a>	Organic Chemistry I	3
<a href="#">CHEM 30133</a>	Organic Chemistry II	3

[CHEM 30143](#)

Organic Qualitative Analysis

3

### B. 3-6-hours, select-one-option:

#### Option I (3 hours)

<a href="#">BIOL 40513</a>	Fundamentals of Biochemistry	3
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#### Option II (6 hours)

<a href="#">CHEM 50133</a>	Biochemistry I	3
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<a href="#">CHEM 50143</a>	Biochemistry II	3
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### Psychology (23 hours)

#### A. Required courses (8 hours):

<a href="#">PSYC 10514</a>	Principles of Behavior I	4
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<a href="#">PSYC 10524</a>	Principles of Behavior II	4
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*Students who have completed [PSYC 10213](#) prior to declaring a Neuroscience major or transferring to TCU may substitute [PSYC 10213](#) and 6 hours of upper-level psychology for this requirement. The 6 upper-level hours are in addition to those listed under B and C.*

#### B. Minimum of 6 hours selected from:

<a href="#">PSYC 30363</a>	Abnormal Psychology	3
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<a href="#">PSYC 30414</a>	Experimental Psychology: Learning	4
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<a href="#">PSYC 30423</a>	Experimental Psychology: Perception	3
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<a href="#">PSYC 30433</a>	Experimental Psychology: Motivation	3
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<a href="#">PSYC 30473</a>	Comparative Psychology	3
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<a href="#">PSYC 30503</a>	Research Methods in Psychology	3
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<a href="#">PSYC 30523</a>	Experimental Psychology: Cognition	3
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#### C. Minimum of 9 hours selected from:

<a href="#">PSYC 30463</a>	Introductory Neuroscience	3
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<a href="#">PSYC 30483</a>	Human Neuropsychology	3
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<a href="#">PSYC 50463</a>	Functional Neuroanatomy	3
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<a href="#">PSYC 50513</a>	Psychopharmacology	3
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### Physics (8 hours)

<a href="#">PHYS 10154</a>	General Physics I with Laboratory	4
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<a href="#">PHYS 10164</a>	General Physics II with Laboratory	4
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### Mathematics and Computer Science (minimum of 6 hours):

<a href="#">MATH 10043</a>	Elementary Statistics	3
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<a href="#">MATH 10524</a>	Calculus I	4
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<a href="#">COSC 10603</a>	Introduction to Python for Data Analytics	3
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## Petursdottir, Anna

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**From:** Akkaraju, Giridhar  
**Sent:** Friday, December 17, 2021 7:33 PM  
**To:** Petursdottir, Anna  
**Subject:** Re: BIOL 30414 - add to Neuroscience major

I checked with the instructors (Crenshaw and Wallace) and they are fine with it being added to the Neuroscience curriculum.

Thanks!  
Giri

Giridhar Akkaraju Ph.D.  
Professor and Chair  
Department of Biology  
Texas Christian University

(O) 817 257 6125  
<https://cse.tcu.edu/faculty-staff/view/giridhar-akkaraju>

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**From:** "Petursdottir, Anna" <a.petursdottir@tcu.edu>  
**Date:** Friday, December 17, 2021 at 1:33 PM  
**To:** "Akkaraju, Giridhar" <g.akkaraju@tcu.edu>  
**Subject:** BIOL 30414 - add to Neuroscience major

Giri,

We would like to add BIOL 30414 (Human Anatomy) as an option for biology electives that count toward the Neuroscience major. Our understanding is that this course now alternates with CVA, which is already on the list of electives, and it is certainly a very relevant course for our many majors who are in the pre-health program.

Is this a change that the Biology department can support?

Thank you,  
Anna

**Anna Ingeborg Petursdottir, Ph.D.** (she/her/hers)  
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**“Where open doors open minds”**