

Campus Curricula Committee Meeting Agenda

August 8, 2023

8:15am - 9:30am, Bertelsmeyer 110H

(For Faculty Senate Meeting of September 21, 2023)

Review of submitted Course Change forms:

File: 4987 ART 1001 : Special Topics
File: 1885.4 CHEM 1320 : General Chemistry II
File: 325.7 CHEM 2210 : Organic Chemistry I
File: 1682.7 CHEM 2229 : Organic Chemistry II Lab
File: 232.1 CHEM 3510 : Analytical Chemistry II
File: 236.1 CHEM 4297 : Organic Synthesis And Spectroscopic Analysis
File: 2456.10 CHEM 4630 : Introduction to Bio-Nanotechnology
File: 351.1 CIV ENG 6201 : Analysis And Design Of Plates And Shells I
File: 353.1 CIV ENG 6207 : Finite Element Application in Structural Design
File: 2211.3 ELEC ENG 6500 : AC Drives: Dynamic and Control
File: 4984 MUSIC 3254 : The Heart of Rock 'n Roll: A History of Popular Music in American Culture (1950-2000)

Review of submitted Program Change forms:

File: 402 PROPOSED : Undergraduate Certificate in Healthcare Psychology CTU
File: 192.51 PSYCH-BA : Psychological Science Psychology BA
File: 193.51 PSYCH-BS : Psychological Science Psychology BS

Review of submitted Experimental Course forms:

File: 4976 CIV ENG 2001.001 : Principles of Mechanics of Materials
File: 4983 HISTORY 3001.009 : Civil Rights Movement
File: 4989 PHYSICS 5001.002 : Computational Physics Laboratory
File: 4985 TCH COM 6001.002 : Social Movements Online

New Business:

Approve 2023-2024 CCC calendar.

Vote/confirm new CCC chair.

Course Change Request

New Course Proposal

Date Submitted: 06/07/23 11:33 am

Viewing: **ART 1001 : Special Topics**

File: 4987

Last edit: 06/07/23 12:16 pm

Changes proposed by: cht3m

Requested	Spring 2024
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Art (ART)
Course Number	1001
Title	Special Topics
Abbreviated Course Title	Special Topics
Topics Titles	

Catalog Description	Art 1001 is the introductory level for newly proposed art courses appropriate for first-year students and others with no special background in art.			
Prerequisites				
Field Trip Statement				
Credit Hours	LEC: 0	LAB: 0	IND: 0	RSD: 0
Total: 0-6				
Required for Majors	No			
Elective for	No			

- In Workflow
1. RPHILOSO Chair
 2. CCC Secretary
 3. Arts & Humanities DSCC Chair
 4. Pending CCC Agenda post
 5. CCC Meeting Agenda
 6. Campus Curricula Committee Chair
 7. FS Meeting Agenda
 8. Faculty Senate Chair
 9. Registrar
 10. CAT entry
 11. Peoplesoft

- Approval Path
1. 06/07/23 12:16 pm
Audra Merfeld-Langston (audram):
Approved for RPHILOSO Chair
 2. 06/09/23 4:04 pm
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
 3. 06/09/23 6:19 pm
Petra Dewitt (dewittp):

Majors

Approved for Arts
& Humanities
DSCC Chair

Justification for
new course:

We are developing some new introductory level art courses.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

Key: 4987

[Preview Bridge](#)

Course Change Request

Date Submitted: 06/27/23 12:15 pm

Viewing: **CHEM 1320 : General Chemistry II**

File: 1885.4

Last approved: 09/21/15 3:55 am

Last edit: 07/05/23 7:37 am

Changes proposed by: woelkk

Programs referencing this course	<u>PHYSIC-BS: Physics BS</u>
	<u>PRE-MED-MI: Pre-Medicine Minor</u>
	<u>AP MATH-BS: Applied Mathematics BS</u>
	<u>BIO SC-BA: Biological Sciences BA</u>
	<u>BIO SC-BS: Biological Sciences BS</u>
	<u>CR ENG-BS: Ceramic Engineering BS</u>
	<u>CH ENG-BS: Chemical Engineering BS</u>
	<u>CHEM-BA: Chemistry BA</u>
	<u>CHEM-BS: Chemistry BS</u>
	<u>CHEM-MI: Chemistry Minor</u>
	<u>FR ENG-UN: Foundational Engineering and Computing</u>
	<u>PROPOSED: Biological Sciences BS with Emphasis area in Medical Laboratory Scientist</u>
	<u>ENV SCI-BS: Environmental Sciences BS</u>
	<u>EV ENG-BS: Environmental Engineering BS</u>
	<u>MT ENG-BS: Metallurgical Engineering BS</u>
Other Courses referencing this course	<u>In The Prerequisites:</u>
	<u>BIO SCI 3313 : Microbiology</u>
	<u>BIO SCI 5493 : General Virology</u>
	<u>CHEM 2210 : Organic Chemistry I</u>
	<u>CHEM 2510 : Analytical Chemistry I</u>
	<u>CHEM 4810 : Chemistry And Inherent Properties Of Polymers</u>
	<u>CHEM 4850 : Fundamentals Of Protective Coating I</u>
	<u>CHEM 5810 : Introduction to Polymeric Materials</u>
	<u>CHEM 5850 : Introduction to Coating Chemistry</u>
	<u>CHEM ENG 5810 : Introduction to Polymeric Materials</u>
	<u>ENV ENG 3603 : Chemical Fundamentals Of Environmental Engineering</u>
	<u>MS&E 4810 : Chemistry And Inherent Properties Of Polymers</u>

In Workflow

1. **RCHEMIST Chair**
2. **CCC Secretary**
3. **Sciences DSCC
Chair**
4. **Pending CCC
Agenda post**
5. CCC Meeting
Agenda
6. Campus Curricula
Committee Chair
7. FS Meeting
Agenda
8. Faculty Senate
Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/28/23 6:32 am
Chariklia Sotiriou-
Leventis
(cslevent):
Approved for
RCHEMIST Chair
2. 07/06/23 3:01 pm
Jennifer
Pohlsander
(jpnfd): Approved
for CCC Secretary
3. 07/20/23 12:37
pm
Katie Shannon
(shannonk):
Approved for

MS&E 4850 : Fundamentals Of Protective Coating I

MS&E 5810 : Introduction to Polymeric Materials

MS&E 5850 : Introduction to Coating Chemistry

Sciences DSCC

Chair

History

1. Sep 21, 2015 by
woelkk (1885.1)

Requested Spring 2024 ~~01/12/2016~~

Effective Change

Date

Department Chemistry

Discipline Chemistry (CHEM)

Course Number 1320

Title General Chemistry II

Abbreviated General Chemistry II

Course Title

Catalog Description In-depth analysis of chemical reactions with an introduction to thermodynamics and kinetics including applications to electrochemistry and nuclear chemistry.

Prerequisites Chem 1310 with a grade of "C" or better; preceded or accompanied by ~~better and~~ Chem 1319.

Field Trip
Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Required for
Majors Yes

Elective for
Majors No

Justification for
change: reduce degree program complexity and time to graduation

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **jpnfd (07/05/23 7:37 am):** Updated term to Spring 2024.

Course Change Request

Date Submitted: 06/27/23 12:25 pm

Viewing: **CHEM 2210 : Organic Chemistry I**

File: 325.7

Last approved: 05/11/20 6:01 am

Last edit: 07/06/23 8:30 am

Changes proposed by: woelkk

Programs referencing this course	<u>PRE-MED-MI: Pre-Medicine Minor</u>
	<u>BIO SC-BA: Biological Sciences BA</u>
	<u>BIO SC-BS: Biological Sciences BS</u>
	<u>CR ENG-BS: Ceramic Engineering BS</u>
	<u>CH ENG-BS: Chemical Engineering BS</u>
	<u>CHEM-BA: Chemistry BA</u>
	<u>CP ENG-BS: Computer Engineering BS</u>
	<u>EL ENG-BS: Electrical Engineering BS</u>
	<u>CHEM-BS: Chemistry BS</u>
	<u>CHEM-MI: Chemistry Minor</u>
	<u>PROPOSED: Biological Sciences BS with Emphasis area in Medical Laboratory Scientist</u>
	<u>EV ENG-BS: Environmental Engineering BS</u>
	<u>MT ENG-BS: Metallurgical Engineering BS</u>
Other Courses referencing this course	In The Prerequisites:
	<u>BIO SCI 5493 : General Virology</u>
	<u>CHEM 4710 : Principles Of Environmental Monitoring</u>
	<u>CHEM 5710 : Environmental Monitoring</u>
	<u>CHEM 6650 : Free Radicals In Biochemistry</u>

Requested Effective Change Date	<u>Spring 2024</u> Fall-2020
Department	Chemistry
Discipline	Chemistry (CHEM)
Course Number	2210
Title	

In Workflow

1. **RCHEMIST Chair**
2. **CCC Secretary**
3. **Sciences DSCC
Chair**
4. **Pending CCC
Agenda post**
5. CCC Meeting
Agenda
6. Campus Curricula
Committee Chair
7. FS Meeting
Agenda
8. Faculty Senate
Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/28/23 6:32 am
Chariklia Sotiriou-
Leventis
(cslevent):
Approved for
RCHEMIST Chair
2. 07/06/23 3:02 pm
Jennifer
Pohlsander
(jpnfd): Approved
for CCC Secretary
3. 07/20/23 12:38
pm
Katie Shannon
(shannonk):
Approved for

Organic Chemistry I

Sciences DSCC

Chair

Abbreviated Course Title
Organic Chemistry I

History

1. May 11, 2020 by
tschuman (325.1)

Catalog

Description

This course consists of four parts: 1) Structure, bonding, and nomenclature; 2) hydrocarbons (alkanes, alkenes, and alkynes), stereochemistry, resonance, and molecular orbital theory; 3) substitution and elimination reactions, and 4) identification of organic compounds via infrared and NMR spectroscopy

Prerequisites Chem 1320, ~~1310, Chem 1319, Chem 1320; or Chem 1351~~

Field Trip

Statement

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3
--------------	--------	--------	--------	--------	----------

Required for Majors	Yes
---------------------	-----

Elective for Majors	No
---------------------	----

Justification for change: reduce degree program complexity and eliminate prerequisite redundancy

Semesters previously offered as an experimental course

Co-Listed Courses:

Course Reviewer **jpnfd (07/05/23 7:37 am)**: Updated term to Spring 2024.

Comments

Key: 325

[Preview Bridge](#)

Course Change Request

Date Submitted: 06/27/23 12:49 pm

Viewing: **CHEM 2229 : Organic Chemistry II Lab**

File: 1682.7

Last approved: 05/04/15 3:20 am

Last edit: 07/21/23 8:00 am

Changes proposed by: woelkk

Programs referencing this course	PRE-MED-MI: Pre-Medicine Minor BIO SC-BA: Biological Sciences BA BIO SC-BS: Biological Sciences BS CH ENG-BS: Chemical Engineering BS CHEM-BA: Chemistry BA CHEM-BS: Chemistry BS PROPOSED: Biological Sciences BS with Emphasis area in Medical Laboratory Scientist
Other Courses referencing this course	<u>In The Prerequisites:</u> CHEM 4297 : Organic Synthesis And Spectroscopic Analysis

Requested [Spring 2024](#) ~~08/17/2015~~
Effective Change
Date

Department Chemistry
Discipline Chemistry (CHEM)
Course Number 2229

Title
Organic Chemistry II Lab

Abbreviated Organic Chemistry II Lab
Course Title

Catalog
Description
Continuation of Chem 2219.

In Workflow

1. **RCHEMIST Chair**
2. **CCC Secretary**
3. **Sciences DSCC
Chair**
4. **Pending CCC
Agenda post**
5. CCC Meeting
Agenda
6. Campus Curricula
Committee Chair
7. FS Meeting
Agenda
8. Faculty Senate
Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/28/23 6:32 am
Chariklia Sotiriou-
Leventis
(cslevent):
Approved for
RCHEMIST Chair
2. 07/06/23 3:03 pm
Jennifer
Pohlsander
(jpnfd): Approved
for CCC Secretary
3. 07/20/23 12:38
pm
Katie Shannon
(shannonk):
Approved for

Prerequisites

Chem 2219, ~~2219 or Chem 2289~~, preceded or accompanied by both Chem 2220 and Chem 1100.

Field Trip Statement

Credit Hours LEC: 0 LAB: 1 IND: 0 RSD: 0
Total: 1

Required for
Majors Yes

Elective for
Majors No

Sciences DSCC
Chair

History

1. Apr 25, 2014 by
lahne (1682.1)
2. May 4, 2015 by
woelkk (1682.4)

Justification for
change: reduce degree program complexity and eliminate prerequisite redundancy

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **jpnfd (07/21/23 8:00 am):** Updated term to Sp 2024.
Comments

Key: 1682

[Preview Bridge](#)

Course Change Request

Date Submitted: 06/27/23 12:34 pm

Viewing: **CHEM 3510 : Analytical Chemistry II**

File: 232.1

Last edit: 07/06/23 3:08 pm

Changes proposed by: woelkk

Programs
referencing this
course

CHEM-BS: Chemistry BS

Other Courses
referencing this
course

In The Prerequisites:

CHEM 4510 : Instrumental Methods Of Chemical Analysis

Requested
Effective Change
Date

Spring 2024 ~~Fall 18 Prereq~~

~~Attribute Update~~

Department

Chemistry

Discipline

Chemistry (CHEM)

Course Number

3510

Title

Analytical Chemistry II

Abbreviated

Analytical Chemistry II

Course Title

Catalog

Description

A study of analytical chemistry including separation techniques for chemical and biochemical analysis, atomic - molecular mass spectrometry, atomic - molecular spectroscopy, surface analysis with electron spectroscopy, X-ray and mass spectrometry.

Prerequisites

Chem 2510; preceded or accompanied by 1100, Chem 1100. ~~2510, Chem 2220 and Chem 3410.~~

In Workflow

1. **RCHEMIST Chair**

2. **CCC Secretary**

3. **Sciences DSCC
Chair**

4. **Pending CCC
Agenda post**

5. CCC Meeting
Agenda

6. Campus Curricula
Committee Chair

7. FS Meeting
Agenda

8. Faculty Senate
Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Approval Path

1. 06/28/23 6:31 am
Chariklia Sotiriou-
Leventis

(cslevent):

Approved for
RCHEMIST Chair

2. 07/06/23 3:08 pm
Jennifer

Pohlsander

(jpnfd): Approved
for CCC Secretary

3. 07/20/23 12:38
pm

Katie Shannon

(shannonk):

Approved for

Field Trip
Statement

Sciences DSCC
Chair

Credit Hours	LEC: 3	LAB: 1	IND: 0	RSD: 0	Total: 4
Required for Majors	No				
Elective for Majors	No				

Justification for
change: reduce degree program complexity and eliminate prerequisite redundancy

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments **jpnfd (07/05/23 8:35 am):** Updated term to Fall 2024.
jpnfd (07/06/23 10:54 am): Updated prerequisite format.
jpnfd (07/06/23 3:08 pm): Updated to Spring 2024.

Key: 232

[Preview Bridge](#)

Course Change Request

Date Submitted: 06/27/23 12:47 pm

Viewing: **CHEM 4297 : Organic Synthesis And Spectroscopic Analysis**

File: 236.1

Last edit: 07/06/23 3:10 pm

Changes proposed by: woelkk

Programs [CHEM-BA: Chemistry BA](#)
referencing this [CHEM-BS: Chemistry BS](#)
course

Requested [Spring 2024](#) ~~Fall 18 Prereq~~
Effective Change ~~Attribute Update~~
Date

Department Chemistry
Discipline Chemistry (CHEM)
Course Number 4297

Title
Organic Synthesis And Spectroscopic Analysis
Abbreviated Org Synthes&Spectroscop
Course Title

Catalog
Description
Advanced methods for the multistep synthesis and characterization of organic compounds. Modern instrumental methods of identification of organic compounds.

Prerequisites
[Chem 2229; preceded or accompanied by Chem 1100.](#) ~~Chem-1100, Chem 2220, Chem 2229.~~

Field Trip
Statement

In Workflow

1. **RCHEMIST Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/28/23 6:32 am
Chariklia Sotiriou-Leventis
(cslevent):
Approved for
RCHEMIST Chair
2. 07/06/23 3:11 pm
Jennifer Pohlsander
(jpnfd): Approved
for CCC Secretary
3. 07/20/23 12:38 pm
Katie Shannon
(shannonk):
Approved for

Credit Hours LEC: 1 LAB: 2 IND: 0 RSD: 0

Sciences DSCC

Chair

Total: 3

Required for
Majors No

Elective for
Majors No

Justification for
change: reduce degree program complexity and eliminate prerequisite redundancy

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **jpnfd (07/06/23 3:10 pm):** Updated to spring 2024.
Comments

Key: 236

[Preview Bridge](#)

Course Change Request

Date Submitted: 06/27/23 12:58 pm

Viewing: **CHEM 4630 : Introduction to Bio-Nanotechnology**

File: 2456.10

Last approved: 05/01/17 3:14 am

Last edit: 07/06/23 3:11 pm

Changes proposed by: woelkk

Programs
referencing this
course

[CHEM-BA: Chemistry BA](#)
[CHEM-BS: Chemistry BS](#)
[BIOINV-CTU : BioInnovation CTU](#)
[M CHEM-CTU: Undergraduate Certificate in Medical Chemistry CTU](#)

Requested
Effective Change
Date

[Spring 2024](#) ~~08/14/2017~~

Department
Discipline
Course Number
Title
Abbreviated
Course Title

Chemistry
Chemistry (CHEM)
4630
Introduction to Bio-Nanotechnology
Intro Bio-Nanotech

Catalog
Description

This course will educate on the interdisciplinary areas of bio-nanotechnology. Goal is for students to understand how biomacromolecules such as nucleic acids, proteins, and lipids self-assemble to form the functional units of an intact cell. Emphasis will be on current application in DNA/protein nanotechnology, drug delivery and environmental biosensors.

Prerequisites

In Workflow

1. **RCHEMIST Chair**
2. **CCC Secretary**
3. **Sciences DSCC Chair**
4. **Pending CCC Agenda post**
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 06/28/23 6:31 am
Chariklia Sotiriou-Leventis
(cslevent):
Approved for
RCHEMIST Chair
2. 07/06/23 3:12 pm
Jennifer
Pohlsander
(jpnfd): Approved
for CCC Secretary
3. 07/20/23 12:38 pm
Katie Shannon
(shannonk):
Approved for

Chem 2220. ~~At least junior standing.~~

Sciences DSCC
Chair

Field Trip
Statement

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0
Total: 3

Required for No
Majors

Elective for Yes
Majors

History

1. May 1, 2017 by
wangri (2456.1)

Justification for Reduce degree program complexity and eliminate prerequisite redundancy.
change:

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer **jpnfd (07/05/23 8:38 am):** Updated prerequisite format. Updated term to Fall 2024.
Comments **jpnfd (07/06/23 3:11 pm):** Updated to Spring 2024.

Key: 2456

[Preview Bridge](#)

Course Change Request

Date Submitted: 05/17/23 4:55 pm

Viewing: **CIV ENG 6201 : Analysis And Design Of Plates And Shells I**

File: 351.1

Last edit: 05/18/23 8:16 am

Changes proposed by: wschon

Requested	<u>Spring 2024</u> Fall 2014
Effective Change Date	
Department	Civil, Architectural, and Environmental Engineering
Discipline	Civil Engineering (CIV ENG)
Course Number	6201
Title	Analysis And Design Of Plates And Shells I
Abbreviated Course Title	Analys&Des-Plats&Shels I

Catalog Description	Fundamental theories of bending and buckling of plates for practical applications in analysis and design of bridge and building floors, highway and airport pavements, and structural plate components. Shell theory with application to tanks, pressure vessels, shell roofs, and folded plate construction.			
Prerequisites	<u>Civ Eng 5203</u> Preceded or <u>Arch Eng 5203 or equivalent.</u> accompanied by Civ Eng 5207.			
Field Trip Statement				
Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0
Total: 3				
Required for	No			

In Workflow
1. RCIVILEN Chair
2. CCC Secretary
3. Engineering DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path
1. 05/18/23 6:25 am Joel Burken (burken): Approved for RCIVILEN Chair
2. 05/18/23 11:19 am Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 07/17/23 3:42 pm Mark Fitch (mfitch): Approved for Engineering DSCC

Majors

Chair

Elective for
Majors

No

Justification for
change:

5203 is more appropriate as a pre-req requirement for 6201 than is 5207.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

Key: 351

[Preview Bridge](#)

Course Change Request

Date Submitted: 05/17/23 4:46 pm

Viewing: **CIV ENG 6207 : Finite Element Application in Structural Design**

File: 353.1

Last edit: 05/18/23 4:13 pm

Changes proposed by: wschon

Requested	<u>Spring 2024</u> Fall 2014
Effective Change Date	
Department	Civil, Architectural, and Environmental Engineering
Discipline	Civil Engineering (CIV ENG)
Course Number	6207
Title	Finite Element Application in Structural Design
Abbreviated Course Title	Finite Elem Appl-Str Des

- In Workflow
1. RCIVILEN Chair

2. CCC Secretary

3. Engineering DSCC Chair

4. Pending CCC Agenda post

5. CCC Meeting Agenda

6. Campus Curricula Committee Chair

7. FS Meeting Agenda

8. Faculty Senate Chair

9. Registrar

10. CAT entry

11. Peoplesoft

Catalog

Description

Concepts of analysis and design. Generalized coordinate models and isoparametric derivations for one, two, and three dimensional elements. Systems with plate and shell elements. Structural instability problems. Elastic and inelastic systems for static and dynamic loads. Studies of computer programs.

Prerequisites

Civ Eng 5207 or Arch Eng 5207.

Field Trip

Statement

Credit Hours

LEC: 3

LAB: 0

IND: 0

RSD: 0

Total: 3

Required for Majors

No

Elective for
Majors

No

Justification for
change:

To help students succeed in 6207, a fundamental course in or knowledge of computer methods in structural analysis is required.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer

Comments

jpnfd (05/18/23 4:13 pm): Updated term to Sp24

jpnfd (05/18/23 4:13 pm): Updated prerequisite format

Approval Path

1. 05/18/23 6:25 am
Joel Burken
(burken):
Approved for
RCIVILEN Chair
2. 06/06/23 1:45 pm
Jennifer
Pohlsander
(jpnfd): Approved
for CCC Secretary
3. 07/17/23 3:42 pm
Mark Fitch
(mfitch):
Approved for
Engineering DSCC
Chair

Key: 353

[Preview Bridge](#)

Course Change Request

Date Submitted: 05/26/23 10:22 am

Viewing: **ELEC ENG 6500 : AC Drives: Dynamic and Control**

File: 2211.3

Last approved: 02/13/21 6:01 am

Last edit: 05/26/23 2:52 pm

Changes proposed by: ss5ddp

Programs ELMC&DR-CT: Electric Machine & Drives CT
referencing this
course

Requested Spring 2024 ~~Fall 2024~~

Effective Change

Date

Department Electrical and Computer Engineering

Discipline Electrical Engineering (ELEC ENG)

Course Number 6500

Title

AC Drives: Dynamic and Control

Abbreviated AC Drives: Dyn & Con

Course Title

Catalog

Description

~~Review of induction and synchronous machines and their modeling.~~ Introduction to a standardized formulation reference frame theory, dynamic behavior of energy conversion processes in electrical machines including the review ac machines, drive of ac machines, ac drives controller design, and modeling of ac other topics relevant to drives and specialty machines. Introduction to reference frame theory, modeling machines in rotational frames, and vector drive of ac machines. Introduction to a variety of topological, sensors, and tools used in practical motor drives. Taking steps to an experimental implementation of a vector-controlled ac drive.

Prerequisites

Elec Eng 3500 and Elec Eng 5500.

In Workflow

1. RELECENG Chair
2. CCC Secretary
3. Engineering DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. FS Meeting Agenda
8. Faculty Senate Chair
9. Registrar
10. CAT entry
11. Peoplesoft

Approval Path

1. 05/26/23 12:45 pm
Jonathan Kimball (kimballjw):
Approved for RELECENG Chair
2. 05/31/23 3:00 pm
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 07/17/23 3:41 pm
Mark Fitch (mfitch):
Approved for Engineering DSCC

Field Trip
Statement

Chair

Credit Hours
Total: 3

LEC: 3

LAB: 0

IND: 0

RSD: 0

History

1. Feb 13, 2021 by
mlr6xd (2211.1)

Required for
Majors

No

Elective for
Majors

No

Justification for
change:

They are redesigning course to be available off-line also.

Semesters
previously
offered as an
experimental
course

Co-Listed
Courses:

Course Reviewer
Comments

jpnfd (05/26/23 2:52 pm): Updated term to Spring 2024.

Key: 2211

[Preview Bridge](#)

Course Change Request

New Course Proposal

Date Submitted: 05/11/23 1:24 pm

Viewing: **MUSIC 3254 : The Heart of Rock 'n Roll: A History of Popular Music in American Culture (1950-2000)**

File: 4984

Last edit: 05/31/23 11:59 am

Changes proposed by: cht3m

Requested	Spring 2024
Effective Change Date	
Department	Arts, Languages, & Philosophy
Discipline	Music (MUSIC)
Course Number	3254
Title	The Heart of Rock 'n Roll: A History of Popular Music in American Culture (1950-2000)
Abbreviated Course Title	Heart of Rock 'n Roll

Catalog Description	Ever since Jackie Brenston and His Delta cats recorded “Rocket 88” for Sam Philips in 1951, Rock 'n Roll music has been at the forefront of American popular culture. In this course we’ll investigate the history and development of rock- and pop-based music in the latter half of the 20th century and how changes in society affected music in each decade.
Prerequisites	Preceded or accompanied by Music 1130, Music 1131, Music 1132, Music 1134, Music 1135, or Music 1136.
Field Trip Statement	

- In Workflow
- 1. RPHILOSO Chair
 - 2. CCC Secretary
 - 3. Arts & Humanities DSCC Chair
 - 4. Pending CCC Agenda post
 - 5. CCC Meeting Agenda
 - 6. Campus Curricula Committee Chair
 - 7. FS Meeting Agenda
 - 8. Faculty Senate Chair
 - 9. Registrar
 - 10. CAT entry
 - 11. Peoplesoft

- Approval Path
- 1. 05/17/23 8:13 am Audra Merfeld-Langston (audram): Approved for RPHILOSO Chair
 - 2. 05/31/23 2:59 pm Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
 - 3. 05/31/23 3:42 pm Petra Dewitt (dewittp): Approved for Arts

Credit Hours Total: 3	LEC: 3	LAB: 0	IND: 0	RSD: 0
Required for Majors	No			
Elective for Majors	No			

Justification for new course: This course was designed to be a part of the Music Program's Music Minor and allows our program a more diverse offering of courses. It has been successfully offered three times as an experimental course.

Semesters previously offered as an experimental course: Spring 2021 (17 students enrolled), Spring 2022 (9 students enrolled), Spring 2023 (22 students enrolled)

Co-Listed Courses:

Course Reviewer Comments **jpnfd (05/18/23 4:15 pm):** Updated prerequisite format.

Program Change Request

New Program Proposal

Date Submitted: 07/17/23 4:20 pm

Viewing: **PROPOSED : Undergraduate Certificate in Healthcare Psychology CTU**

File: 402

Last edit: 07/19/23 9:14 am

Changes proposed by: burnsde

Start Term

Fall 2024

Program Code

PROPOSED

Department

Psychological Science

Title

Undergraduate Certificate in Healthcare Psychology CTU

Program Requirements and Description

In Workflow

- 1. RPSYCHOL Chair
- 2. CCC Secretary
- 3. Social Sciences DSCC Chair
- 4. Pending CCC Agenda post
- 5. CCC Meeting Agenda
- 6. Campus Curricula Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate Chair
- 9. Registrar

Approval Path

- 1. 05/26/23 2:44 pm
Clair Kueny (reynoldscla):
Rollback to Initiator
- 2. 07/18/23 11:32 am
Clair Kueny (reynoldscla):
Approved for RPSYCHOL Chair
- 3. 07/19/23 10:28 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
- 4. 07/19/23 10:36 am
Cecil Eng Huang Chua (cchua):
Approved for Social Sciences DSCC Chair

Undergraduate Certificate in Healthcare Psychology

Students will utilize the biopsychosocial model and other psychological paradigms as they engage in the intersecting factors related to different aspects of health care. The undergraduate certificate in Healthcare Psychology aims to prepare students to pursue more advanced training in a health-related field or employment consistent with undergraduate training. For example, this certificate would be applicable to pre-med, nursing, or other related medical fields as well as to students interested in pursuing post-graduate training in clinical or counseling psychology including the substance use field.

To be admitted to S&T's undergraduate certificate program in Healthcare Psychology a student must meet Missouri S&T regular undergraduate admission requirements. In order to receive an undergraduate certificate, the student must have an average cumulative grade point of 2.0 or better in the certificate courses. The certificate credits taken by the students will count towards their bachelor's degree.

Students must complete the following coursework:

PSYCH 4590	Health Psychology	3
And 3 of the following 4 courses:		
PSYCH 3501	Drugs and Behavior	3
PSYCH 4501	Abnormal Psychology	3
PSYCH 4510	Clinical Psychology	3
PSYCH 4990	Internship	3-6

Justification for request

Adding certificate options for undergraduates.

Supporting Documents

[MS&T PC April 2023.pdf](#)

[Psych-New UGCT-Healthcare Psych.pdf](#)

Course Reviewer Comments

reynoldscsla (05/26/23 2:44 pm): Rollback: I thought we were going with Psychology of Health Care - like the MDHE form (not the memo). That is the official form reviewed by MDHE (the memo is more just for support/awareness from administrators). If we don't put the tables in, I don't think the registrar will? The catalog just pulls exactly what we make it look like in the courseleaf system

reynoldscsla (07/18/23 11:32 am): Clarifying name of certificate as Healthcare Psychology to align with final MDHE approval memo

jpnfd (07/19/23 9:08 am): Updated program heading format. Added CTU to title.

jpnfd (07/19/23 9:14 am): Updated term to Fall 2024

Program Change Request

Date Submitted: 05/18/23 2:18 pm

Viewing: **PSYCH-BA : Psychological Science**
Psychology BA

File: 192.51

Last approved: 04/14/23 8:16 am

Last edit: 07/19/23 8:42 am

Changes proposed by: burnsde

Catalog Pages Using this Program
[Psychology](#)

Start Term

Fall 2024 ~~2023~~

Program Code

PSYCH-BA

Department

Psychological Science

Title

Psychological Science ~~Psychology~~ BA

Program Requirements and Description

In Workflow

- 1. RPSYCHOL Chair
- 2. CCC Secretary
- 3. Social Sciences
DSCC Chair
- 4. Pending CCC
Agenda post
- 5. CCC Meeting
Agenda
- 6. Campus Curricula
Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate
Chair
- 9. Registrar

Approval Path

- 1. 05/17/23 1:22 pm
Clair Kueny
(reynoldscla):
Rollback to Initiator
- 2. 05/18/23 1:33 pm
Clair Kueny
(reynoldscla):
Rollback to Initiator
- 3. 05/18/23 3:09 pm
Clair Kueny
(reynoldscla):
Approved for
RPSYCHOL Chair
- 4. 05/22/23 2:41 pm
Jennifer Pohlsander
(jpnfd): Rollback to
RPSYCHOL Chair
for CCC Secretary
- 5. 05/23/23 10:49 am
Clair Kueny
(reynoldscla):
Approved for
RPSYCHOL Chair
- 6. 06/09/23 2:42 pm
Jennifer Pohlsander
(jpnfd): Rollback to
RPSYCHOL Chair
for CCC Secretary
- 7. 07/18/23 11:05 am
Clair Kueny
(reynoldscla):
Approved for
RPSYCHOL Chair
- 8. 07/19/23 8:50 am
Jennifer Pohlsander
(jpnfd): Approved
for CCC Secretary

9. 07/19/23 10:37 am
Cecil Eng Huang
Chua (cchua):
Approved for Social
Sciences DSCC
Chair

History

1. Aug 4, 2014 by
Nancy Stone
(nstone)
2. Mar 20, 2015 by
Nancy Stone
(nstone)
3. Jun 19, 2015 by
Nancy Stone
(nstone)
4. Jul 21, 2015 by
pantaleoa
5. Jun 28, 2017 by
Nathan Weidner
(weidner)
6. Jun 14, 2019 by
Susan Murray
(murray)
7. Jul 1, 2020 by
Devin Burns
(burnsde)
8. Mar 4, 2021 by
Devin Burns
(burnsde)
9. May 5, 2021 by
Devin Burns
(burnsde)
10. Feb 25, 2022 by
Devin Burns
(burnsde)
11. Apr 14, 2023 by
Devin Burns
(burnsde)

Bachelor of Arts Psychological Science Psychology

A minimum of 120 credit hours is required for a bachelor of arts degree in psychological science psychology and an average of at least two grade points per credit hour must be obtained. The psychological science psychology B.A. curriculum requires 6 hours of English Composition, 14 hours of math and science, 12 semester hours in humanities, 12 semester hours is required in social sciences, 11-16 hours of foreign language and a minimum of 35 hours are required in psychology. Up to 12 credit hours of advanced ROTC may be credited toward the degree. Specific requirements for the bachelor of arts degree are outlined in the sample program listed below.

1. [ENGLISH 1120](#) and one additional three hour composition course (6 hours).
2. Western civilization ([HISTORY 1100](#) and [HISTORY 1200](#)) (6 hours).
3. Foreign languages for at least 3 semesters of basic study in French, German, Russian, Spanish or an approved substitute; or one year of basic study in a foreign language in either French, German, Russian, Spanish, or an approved substitute, and a humanities or social sciences course taught in a foreign country and employing the language of that country; or one year of basic study in each of two of the foreign languages of French, German, Russian or Spanish or an approved substitute (11-16 hours).
4. Sciences. At least one course taken in biological (biological sciences) and physical (chemistry, geology and geophysics, physics) sciences. A

laboratory course is required (and a lab offered in engineering also may count at the discretion of the student's major advisor) toward the total requirement. Stat 1115 is required, and an additional elective in Science or Math (14 hours).

5. Humanities and fine arts. Courses used to satisfy this requirement must include one course in each of the three areas of literature (English or American), philosophy, and fine arts (art, music or theater), but not to include studio and performance offerings (12 hours).
6. Social Sciences. At least two of the following social science areas are to be included: economics, political science, or history (6 hours).

7.	Psychology Courses (35 hours)		
	Required:*		
	General Skills Courses:		
	PSYCH 1100	Introduction to Psychology	1
	PSYCH 1101	General Psychology	3
	PSYCH 2200	Research Methods	4
	Content Courses:		
	PSYCH 3310	Developmental Psychology	3
	PSYCH 4400	Cognitive Psychology	3
	PSYCH 4501	Abnormal Psychology	3
	PSYCH 4600	Social Psychology	3
	And one of the following 2 courses:		
	PSYCH 4410	Neuroscience	3
	PSYCH 4411	Sensation and Perception	3
	Capstone Course:		
	Select three credit hours from the Capstone courses:		
	PSYCH 4010	Seminar	0-6
	PSYCH 4099	Undergraduate Research	0-6
	PSYCH 4590	Health Psychology	3
	PSYCH 4992	Cross-Cultural Psychology	3
	PSYCH 4993	Psychology of Gender	3
	PSYCH 4990	Internship	0-6
	*These required courses total 26 hours.		
	Elective Courses:		
	Select an additional 9 hours of psychology electives to complete the 35 hour degree requirement.		

8. Major-field requirements: A cumulative grade point average of 2.0 must be earned in all course work taken in the major field. Upper-class (3000-4000-level) courses completed with grades of "D" may not be included in the course work for the major field without the approval of the chair of the department. At least nine hours of upper-class work in the major field must be completed in residence at Missouri S&T.
9. Minor: A minor will be selected from any discipline other than the major with the approval of the student's advisor. A total of at least 15 hours is required for the minor, but may include courses which also satisfy other requirements. At least nine hours must be beyond the introductory level. A cumulative grade point average of 2.0 must be earned in all course work required in the minor field. At least six hours of work in the minor field must be completed in residence at Missouri S&T.
10. Basic ROTC may be elected in the freshman and sophomore years, but is not creditable toward a degree. Up to 12 credit hours of advanced ROTC may be credited toward a degree.
11. Elective Credits: In consultation with his/her advisor, each student will elect sufficient additional courses to complete a minimum of 120 credit hours.

Emphasis Areas

Note: The following areas identify courses from which a student may opt to develop an emphasis area. It is not required that students obtain an emphasis specialty within [psychological science](#), [psychology](#). At least one class for each emphasis area is already required for all majors, so the remaining three may be taken as the additional 9 hours of required psychology electives. In this way, getting an emphasis requires no additional courses, just less flexibility in which courses you take.

Industrial/Organizational Psychology			
PSYCH 4700	Industrial Psychology		3

PSYCH 4602	Organizational Psychology	3
And 2 of the following 4:		
PSYCH 4500	Personality Theory	3
PSYCH 4600	Social Psychology	3
PSYCH 4601	Group Dynamics	3
PSYCH 4610	Psychology of Leadership in Organizations	3
Health Psychology		
PSYCH 4590	Health Psychology	3
And 3 of the following 4:		
PSYCH 4501	Abnormal Psychology	3
PSYCH 3501	Drugs and Behavior	3
PSYCH 4510	Clinical Psychology	3
PSYCH 4990	Internship	0-6
Cognition and Neuroscience		
PSYCH 4400	Cognitive Psychology	3
PSYCH 4410	Neuroscience	3
And 2 of the following 3:		
PSYCH 4411	Sensation and Perception	3
PSYCH 3400	Theories Of Learning	3
PSYCH 3501	Drugs and Behavior	3
PSYCH 4501	Abnormal Psychology	3
Human Factors		
PSYCH 4400	Cognitive Psychology	3
PSYCH 4710	Human Factors	3
And 2 of the following 3:		
PSYCH 4720	Psychology of Social Technology	3
PSYCH 4411	Sensation and Perception	3
PSYCH 4700	Industrial Psychology	3
PSYCH 4602	Organizational Psychology	3
Diversity and Inclusion		
PSYCH 4600	Social Psychology	3
And 3 of the following 4:		
PSYCH 4993	Psychology of Gender	3
PSYCH 4500	Personality Theory	3
PSYCH 4992	Cross-Cultural Psychology	3
PSYCH 4310	Psychology Of The Exceptional Child	3

Bachelor of Arts Psychological Science ~~Psychology~~ (Secondary Education Emphasis Area)

You may earn a B.A. degree in psychological science ~~psychology~~ from Missouri S&T and certification to teach at the secondary level in the schools of Missouri with the secondary education emphasis area program.

In addition to maintaining a 3.0 content and professional requirement GPA, students must pass the appropriate content assessment to be eligible for student teaching. Missouri S&T allows students to choose their student teaching placement, if the district agrees and a qualified cooperating teacher is available. This program is approved by the Missouri Department of Elementary and Secondary Education for initial teacher certification. Students intending to teach in other

states are responsible for investigating the reciprocity agreement of that state agency.

A degree with this emphasis area requires 121 credit hours. The required courses are provided below.

Communications Skills: 6 semester hours		
ENGLISH 1120	Exposition And Argumentation	3
ENGLISH 1160	Writing And Research	3
Humanities: 12 semester hours		
Art, Music, or Theatre course		3
Philosophy course		3
Literature course		3
One additional humanities from the above course groups, Foreign Language, or Etymology		3
Social Sciences: 21 semester hours		
HISTORY 1300	American History To 1877	3
HISTORY 1310	American History Since 1877	3
POL SCI 1200	American Government	3
POL SCI 3211	American Political Parties	3
or POL SCI 3300	Principles Of Public Policy	
or POL SCI 3760	The American Presidency	
or POL SCI 3763	Contemporary Political Thought	
PSYCH 1101	General Psychology	3
ECON 1100	Principles Of Microeconomics	3
or ECON 1200	Principles Of Macroeconomics	
Geography		3
Natural Science/Mathematics: 12 semester hours		
One course in Physics, Chemistry or Geology		3
Mathematics 1120, 1103, 1140+		3
STAT 1115	Statistics For The Social Sciences I	3
BIO SCI 1113	General Biology	3
Professional Requirements: 23 semester hours		
EDUC 1040	Perspectives In Education	2
EDUC 1174	School Organization and Administration For Teachers	2
EDUC 2251	Historical Foundation Of American Education	3
EDUC 3216	Instructional Literacy in the Content Area	3
EDUC 3280	Instructional Strategies in the Content Area	3
EDUC 4298	Student Teaching Seminar	1
PSYCH 2300	Educational Psychology	3
PSYCH 3311	Psychological & Educational Development Of The Adolescent	3
PSYCH 4310	Psychology Of The Exceptional Child	3
Clinical Experience: 15 semester hours		
EDUC 1104	Teacher Field Experience I	1
EDUC 1164	Teacher Field Experience II	2
EDUC 4299	Student Teaching	12
Psychology Degree Requirements: 17 semester hours		
PSYCH 1100	Introduction to Psychology	1

PSYCH 2200	Research Methods	4
PSYCH 3310	Developmental Psychology	3
PSYCH 4400	Cognitive Psychology	3
PSYCH 4501	Abnormal Psychology	3
PSYCH 4600	Social Psychology	3
Certification: 15 semester hours		
6 hours of American History from the following:		
HISTORY 3320	Colonial America	
HISTORY 3325	Revolutionary America, 1754-1789	
HISTORY 3340	Age Of Jefferson And Jackson	
HISTORY 3345	Civil War And Reconstruction	
HISTORY 3360	Recent United States History	
HISTORY 3425	History Of The Old South	
HISTORY 3426	History Of The Modern South	
HISTORY 3480	History Of Baseball	
HISTORY 3440	Grunts: 20th Century Americans In Combat	
HISTORY 3442	The United States in Vietnam	
HISTORY 3761	U.S. Diplomatic History to World War II	
HISTORY 4435	History of the American West	
9 hours of World History from the following:		
HISTORY 1100	Early Western Civilization	
HISTORY 1200	Modern Western Civilization	
HISTORY 2220	Making Of Modern Britain	
HISTORY 2222	The Making Of Modern France	
HISTORY 2224	Making Of Modern Russia	
HISTORY 3130	Medieval History I	
HISTORY 3135	Medieval History II	
HISTORY 3140	History Of Renaissance Thought	
HISTORY 3230	Europe In The Age Of The French Revolution And Napoleon	
HISTORY 3235	Foundations Of Contemporary Europe 1815-1914	
HISTORY 3240	Contemporary Europe	
HISTORY 3660	Modern East Asia	

Justification for request

Increase the flexibility of emphasis areas and better align them with their focuses.

Also change the title of the degree to better reflect our field.

Supporting Documents

[Psych-Title Change-Psychogocial Sciences.pdf](#)

[MS&T PC April 2023 Approval Degree Change Name.pdf](#)

[Email thread confirming change to Psych Science.pdf](#)

Course Reviewer Comments

reynoldscla (05/17/23 1:22 pm): Rollback: Changing to psych science

reynoldscla (05/18/23 1:33 pm): Rollback: Just realized - do we need to change it to say Psychological Science for

the secondary education certificate too?

jpnfd (05/22/23 2:41 pm): Rollback: Rollback for department review.

reynoldscla (05/23/23 10:49 am): Attached official notification from MDHE/Mun Choi about degree name change - highlighted relevant information on second page

jpnfd (05/26/23 7:59 am): Updated title to "Psychological Science."

jpnfd (05/26/23 8:01 am): Updated title format.

jpnfd (05/26/23 8:39 am): Updated name to "psychological sciences" to align with approved MDHE and provost documents.

jpnfd (05/26/23 8:41 am): Term updated to fall 2024.

jpnfd (06/09/23 2:42 pm): Rollback: Update emphasis area titles. Attach memo regarding error/typo in name making Psychological Science (singular).

reynoldscla (07/18/23 11:03 am): Updated to reflect accurate title change to Psychological Science as indicated in attached email thread

reynoldscla (07/18/23 11:04 am): Updated to reflect accurate title change to Psychological Science as indicated in attached email thread

jpnfd (07/19/23 8:42 am): Per department email 7/19/23, emphasis areas reverted these back to the original names. Health Psychology changed to Psychology for Health Care, Cognition and Neuroscience changed to Cognitive Neuroscience.

Program Change Request

Date Submitted: 05/18/23 2:19 pm

Viewing: **PSYCH-BS : Psychological Science**
Psychology BS

File: 193.51

Last approved: 04/14/23 8:16 am

Last edit: 07/19/23 8:45 am

Changes proposed by: burnsde

Catalog Pages Using this Program
[Psychology](#)

Start Term

Fall 2024 ~~2023~~

Program Code

PSYCH-BS

Department

Psychological Science

Title

Psychological Science ~~Psychology~~ BS

Program Requirements and Description

In Workflow

- 1. RPSYCHOL Chair
- 2. CCC Secretary
- 3. Social Sciences
DSCC Chair
- 4. Pending CCC
Agenda post
- 5. CCC Meeting
Agenda
- 6. Campus Curricula
Committee Chair
- 7. FS Meeting Agenda
- 8. Faculty Senate
Chair
- 9. Registrar

Approval Path

- 1. 05/17/23 1:23 pm
Clair Kueny
(reynoldscla):
Rollback to Initiator
- 2. 05/18/23 1:35 pm
Clair Kueny
(reynoldscla):
Rollback to Initiator
- 3. 05/18/23 3:10 pm
Clair Kueny
(reynoldscla):
Approved for
RPSYCHOL Chair
- 4. 05/22/23 2:41 pm
Jennifer Pohlsander
(jpnfd): Rollback to
RPSYCHOL Chair
for CCC Secretary
- 5. 05/23/23 10:51 am
Clair Kueny
(reynoldscla):
Approved for
RPSYCHOL Chair
- 6. 06/09/23 2:43 pm
Jennifer Pohlsander
(jpnfd): Rollback to
RPSYCHOL Chair
for CCC Secretary
- 7. 07/18/23 11:07 am
Clair Kueny
(reynoldscla):
Approved for
RPSYCHOL Chair
- 8. 07/19/23 8:50 am
Jennifer Pohlsander
(jpnfd): Approved
for CCC Secretary

9. 07/19/23 10:37 am
Cecil Eng Huang
Chua (cchua):
Approved for Social
Sciences DSCC
Chair

History

1. May 6, 2014 by
Nancy Stone
(nstone)
2. Jul 8, 2014 by
pantaleoa
3. Jul 8, 2014 by
pantaleoa
4. Mar 20, 2015 by
Nancy Stone
(nstone)
5. Jun 19, 2015 by
Nancy Stone
(nstone)
6. Jul 21, 2015 by
pantaleoa
7. Jun 28, 2017 by
Nathan Weidner
(weidhern)
8. Jun 14, 2019 by
Susan Murray
(murray)
9. Jul 1, 2020 by
Devin Burns
(burnsde)
10. Mar 4, 2021 by
Devin Burns
(burnsde)
11. May 5, 2021 by
Devin Burns
(burnsde)
12. Feb 25, 2022 by
Devin Burns
(burnsde)
13. Apr 14, 2023 by
Devin Burns
(burnsde)

Bachelor of Science Psychological Science Psychology

A minimum of 120 credit hours is required for a bachelor of science degree in psychological science psychology and a cumulative grade point average of 2.0 must be obtained. These requirements for the B.S. degree are in addition to credit received for basic ROTC.

The psychological psychology-bachelor-of science bachelor of science curriculum requires six hours of English composition; twenty hours of math, science science and computer science; twelve semester hours in the humanities; and twelve semester hours in the social sciences. Specific requirements for the bachelor degree are outlined in the sample program listed below.

1. ENGLISH 1120 and ENGLISH 1160 (entering students will normally take ENGLISH 1120 either semester of the first year.) (6 hours)
2. A total of 20 hours in biological, physical, (chemistry, geology and geophysics, and physics), and mathematical (mathematics/statistics and

computer science or information science & technology) sciences, to include at least one course taken in the biological and one in the physical sciences. Of the biological and physical science offerings, at least one must be a laboratory course. Stat 1115 is required. Engineering courses may, at the discretion of the student's major advisor, also count toward this total requirement. (20 hours)

3. 12 hours in humanities and fine arts (literature, philosophy, art, music, or theater). Foreign language courses may count toward fulfilling this requirement. Courses used to satisfy this requirement must be taken in at least two humanities areas. (12 hours)
4. 12 hours in at least two social sciences fields outside the major area (economics or history or political science). A course in Modern Western Civilization ([HISTORY 1200](#)), American History To 1877 ([HISTORY 1300](#)) or American History Since 1877 ([HISTORY 1310](#)), or American Government ([POL SCI 1200](#)) must be taken to satisfy the requirement of the state of Missouri (the "Williams Law"), and this course may count toward fulfilling the social sciences requirement. (12 hours)
5. Minor: A minor will be selected from any discipline other than the major with the approval of the student's advisor. A total of at least 15 hours is required for the minor, but may include courses which also satisfy other requirements. At least nine hours must be beyond the introductory level.
6. Basic ROTC may be elected in the freshman and sophomore years, but is not creditable toward a degree. Six credit hours of advanced ROTC may be credited toward a degree.
7. Elective Credits: In consultation with his/her advisor, each student will elect sufficient additional courses to complete a minimum of 120 credit hours which may include [MATH 116Q](#) and one of [MATH 1120](#) or [MATH 1140](#).

8.	Psychology Courses (35 hours)		
	Required:*		
	General Skills Courses:		
	PSYCH 1100	Introduction to Psychology	1
	PSYCH 1101	General Psychology	3
	PSYCH 2200	Research Methods	4
	Content Courses:		
	PSYCH 3310	Developmental Psychology	3
	PSYCH 4400	Cognitive Psychology	3
	PSYCH 4501	Abnormal Psychology	3
	PSYCH 4600	Social Psychology	3
	And one of the following 2 courses:		
	PSYCH 4410	Neuroscience	3
	PSYCH 4411	Sensation and Perception	3
	Capstone Course:		
	Select three credit hours from the following Capstone courses:		
	PSYCH 4010	Seminar	0-6
	PSYCH 4099	Undergraduate Research	0-6
	PSYCH 4590	Health Psychology	3
	PSYCH 4992	Cross-Cultural Psychology	3
	PSYCH 4993	Psychology of Gender	3
	PSYCH 4990	Internship	0-6
	*These required courses total 26 hours.		
	Elective Courses:		
	Select an additional 9 hours of psychology electives to complete the 35 hour degree requirement.		

9. A cumulative grade point average of 2.0 must be earned in all course work taken in the major field. Upper class (3000-level and above) courses completed with grades of "D" may not be included in the course work for the major field without the approval of the advisor and the chair of the department concerned.

Emphasis Areas

Note: The following areas identify courses from which a student may opt to develop an emphasis area. It is not required that students obtain an emphasis specialty within psychological science. ~~psychology~~. At least one class for each emphasis area is already required for all majors, so the remaining three may be taken as the additional 9 hours of required psychology electives. In this way, getting an emphasis requires no additional courses, just less flexibility in which courses you take.

Industrial/Organizational Psychology		
PSYCH 4700	Industrial Psychology	3
PSYCH 4602	Organizational Psychology	3
And 2 of the following 4:		
PSYCH 4600	Social Psychology	3
PSYCH 4601	Group Dynamics	3
PSYCH 4500	Personality Theory	3
PSYCH 4610	Psychology of Leadership in Organizations	3
Health Psychology		
PSYCH 4590	Health Psychology	3
And 3 of the following 4:		
PSYCH 4501	Abnormal Psychology	3
PSYCH 4510	Clinical Psychology	3
PSYCH 3501	Drugs and Behavior	3
PSYCH 4990	Internship	0-6
Cognition and Neuroscience		
PSYCH 4400	Cognitive Psychology	3
PSYCH 4410	Neuroscience	3
And 2 of the following 3:		
PSYCH 3400	Theories Of Learning	3
PSYCH 4411	Sensation and Perception	3
PSYCH 3501	Drugs and Behavior	3
PSYCH 4501	Abnormal Psychology	3
Human Factors		
PSYCH 4400	Cognitive Psychology	3
PSYCH 4710	Human Factors	3
And 2 of the following 3:		
PSYCH 4720	Psychology of Social Technology	3
PSYCH 4700	Industrial Psychology	3
PSYCH 4602	Organizational Psychology	3
PSYCH 4411	Sensation and Perception	3
Diversity and Inclusion		
PSYCH 4600	Social Psychology	3
And 3 of the following 4:		
PSYCH 4993	Psychology of Gender	3
PSYCH 4992	Cross-Cultural Psychology	3
PSYCH 4310	Psychology Of The Exceptional Child	3
PSYCH 4500	Personality Theory	3

Bachelor of Science Psychological Science ~~Psychology~~ (Secondary Education Emphasis Area)

You may earn a B.S. degree in psychological science ~~psychology~~ from Missouri S&T and certification to teach at the secondary level in the schools of Missouri with the secondary education emphasis area program.

In addition to maintaining a 3.0 content and professional requirement GPA, students must pass the appropriate content assessment to be eligible for student teaching. Missouri S&T allows students to choose their student teaching placement, if the district agrees and a qualified cooperating teacher is available. This program is approved by the Missouri Department of Elementary and Secondary Education for initial teacher certification. Students intending to teach in other states are responsible for investigating the reciprocity agreement of that state agency.

A degree with this emphasis area requires 121 credit hours. The required courses are provided below.

Communications Skills: 3 semester hours		
ENGLISH 1120	Exposition And Argumentation	3
Humanities: 12 semester hours		
Art, Music, or Theatre course		3
Philosophy course		3
Literature course		3
One additional humanities from the above course groups, Foreign Language, or Etymology		3-4
Social Sciences: 21 semester hours		
HISTORY 1300	American History To 1877	3
HISTORY 1310	American History Since 1877	3
POL SCI 1200	American Government	3
POL SCI 3211	American Political Parties	3
or POL SCI 3300	Principles Of Public Policy	
or POL SCI 3760	The American Presidency	
or POL SCI 3763	Contemporary Political Thought	
PSYCH 1101	General Psychology	3
ECON 1100	Principles Of Microeconomics	3
or ECON 1200	Principles Of Macroeconomics	
HISTORY 2110	World Regional Geography	3
Natural Sciences/Mathematics: 15 semester hours		
One course in Physics, Chemistry or Geology		3
Mathematics 1120, 1130, 1140+		3
BIO SCI 1113	General Biology	3
STAT 1115	Statistics For The Social Sciences I	3
3 additional hours of Math &/or Science courses		3
Professional Requirements: 23 semester hours		
EDUC 1040	Perspectives In Education	2
EDUC 1174	School Organization and Administration For Teachers	2
EDUC 2251	Historical Foundation Of American Education	3
EDUC 3216	Instructional Literacy in the Content Area	3
EDUC 3280	Instructional Strategies in the Content Area	3
EDUC 4298	Student Teaching Seminar	1
PSYCH 2300	Educational Psychology	3
PSYCH 3311	Psychological & Educational Development Of The Adolescent	3
PSYCH 4310	Psychology Of The Exceptional Child	3
Clinical Experience: 15 semester hours		
EDUC 1104	Teacher Field Experience I	1
EDUC 1164	Teacher Field Experience II	2

EDUC 4299	Student Teaching	12
Psychology Degree Requirements: 17 semester hours		
PSYCH 1100	Introduction to Psychology	1
PSYCH 2200	Research Methods	4
PSYCH 3310	Developmental Psychology	3
PSYCH 4400	Cognitive Psychology	3
PSYCH 4501	Abnormal Psychology	3
PSYCH 4600	Social Psychology	3
Certification: 15 semester hours		
6 hours of American History from the following:		
HISTORY 3320	Colonial America	
HISTORY 3325	Revolutionary America, 1754-1789	
HISTORY 3340	Age Of Jefferson And Jackson	
HISTORY 3345	Civil War And Reconstruction	
HISTORY 3360	Recent United States History	
HISTORY 3425	History Of The Old South	
HISTORY 3426	History Of The Modern South	
HISTORY 3480	History Of Baseball	
HISTORY 3440	Grunts: 20th Century Americans In Combat	
HISTORY 3442	The United States in Vietnam	
HISTORY 3761	U.S. Diplomatic History to World War II	
HISTORY 4435	History of the American West	
9 hours of World History from the following:		
HISTORY 1100	Early Western Civilization	
HISTORY 1200	Modern Western Civilization	
HISTORY 2220	Making Of Modern Britain	
HISTORY 2222	The Making Of Modern France	
HISTORY 2224	Making Of Modern Russia	
HISTORY 3130	Medieval History I	
HISTORY 3135	Medieval History II	
HISTORY 3140	History Of Renaissance Thought	
HISTORY 3230	Europe In The Age Of The French Revolution And Napoleon	
HISTORY 3235	Foundations Of Contemporary Europe 1815-1914	
HISTORY 3240	Contemporary Europe	
HISTORY 3660	Modern East Asia	

Justification for request

Increase the flexibility of emphasis areas and better align them with their focuses.

Also change the title of the degree to better reflect our field.

Supporting Documents

[Psych-Title Change-Psychogocial Sciences.pdf](#)

[MS&T PC April 2023 Approval Degree Change Name.pdf](#)

Email thread confirming change to Psych Science.pdf

Course Reviewer Comments

reynoldscla (05/17/23 1:23 pm): Rollback: changing to psych science

reynoldscla (05/18/23 1:35 pm): Rollback: changing secondary edu certification too

jpnfd (05/22/23 2:41 pm): Rollback: Rollback for department review.

reynoldscla (05/23/23 10:51 am): Attached official approval from MDHE/Mun Choi's office clarifying approval of degree name change - highlighted relevant details on second page

jpnfd (05/26/23 8:52 am): Updated name to "psychological sciences" to align with approved MDHE and provost documents. Updated term to Fall 2024.

jpnfd (06/09/23 2:43 pm): Rollback: Update emphasis area titles. Attach memo regarding error/typo in name making Psychological Science (singular).

reynoldscla (07/18/23 11:06 am): Updated to reflect accurate title change to Psychological Science as indicated in attached email thread

reynoldscla (07/18/23 11:07 am): Updated to reflect accurate title change to Psychological Science as indicated in attached email thread

jpnfd (07/19/23 8:45 am): Per department email 7/19/23, emphasis areas reverted these back to the original names. Health Psychology changed to Psychology for Health Care, Cognition and Neuroscience changed to Cognitive Neuroscience.

Course Change Request

New Experimental Course Proposal

Date Submitted: 03/30/23 3:44 pm

Viewing: **CIV ENG 2001.001 : Principles of Mechanics of Materials**

File: 4976

Last edit: 05/15/23 11:30 am

Changes proposed by: seelyj

Requested	Fall 2023
Effective Change Date	
Department	Civil, Architectural, and Environmental Engineering
Discipline	Civil Engineering (CIV ENG)
Course Number	2001
Topic ID	001
Experimental Title	Principles of Mechanics of Materials
Experimental Abbreviated Course Title	Prin MechE Mat
Instructors	Libre, Nicholas

Experimental Catalog Description	Principles of Mechanics of Materials discusses the relationship between stress and strain on deformable solids; Applies analysis to members subjected to axial, bending, and torsional loads; Covers combined stresses and properties of structural materials; Introduces the basic concepts of mechanics of materials and applies them to engineering problems.
Prerequisites	Civ Eng 2200 with grade of "C" or better.
Field Trip	

In Workflow

1. RCIVILEN Chair
2. CCC Secretary
3. Engineering DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. CAT entry
8. Registrar

Approval Path

1. 05/12/23 6:05 am
Joel Burken (burken): Approved for RCIVILEN Chair
2. 05/15/23 11:33 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 07/17/23 3:42 pm
Mark Fitch (mfitch): Approved for Engineering DSCC Chair

Statement

Credit Hours

LEC: 3.0

LAB: 0

IND: 0

RSD: 0

Total: 3.0

Justification for
new course:

To provide a course to engineering students that might not need the full Mechanics of Materials information. This course will need to be approved by the departments that may wish to utilize it, including but not limited to: Engineering Management, Materials Science, Mining, Environmental, Nuclear, Petroleum, Geological

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer
Comments

jpnfd (05/15/23 11:30 am): Updated prerequisite format.

Key: 4976

[Preview Bridge](#)

Course Change Request

New Experimental Course Proposal

Date Submitted: 05/11/23 1:02 pm

Viewing: **HISTORY 3001.009 : Civil Rights Movement**

File: 4983

Last edit: 05/15/23 11:58 am

Changes proposed by: bruening

Requested	Spring 2024
Effective Change Date	
Department	History and Political Science
Discipline	History (HISTORY)
Course Number	3001
Topic ID	009
Experimental Title	Civil Rights Movement
Experimental Abbreviated Course Title	Civil Rights Movement
Instructors	John C. Ketcherside

Experimental Catalog Description

This course focuses on the Civil Rights Movement of the twentieth century. It examines the historical background and the various causes, elements, and factions of the Movement, as well as its impact on race relations, politics, the economy, and culture of the United States.

Prerequisites

Hist 1100, Hist 1200, Hist 1300, Hist 1310, or Pol Sci 1200.

Field Trip Statement

- In Workflow
- 1. RHISTORY Chair
 - 2. CCC Secretary
 - 3. Arts & Humanities DSCC Chair
 - 4. Pending CCC Agenda post
 - 5. CCC Meeting Agenda
 - 6. Campus Curricula Committee Chair
 - 7. CAT entry
 - 8. Registrar

- Approval Path
- 1. 05/11/23 1:02 pm Michael Bruening (bruening): Approved for RHISTORY Chair
 - 2. 05/15/23 11:58 am Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
 - 3. 05/15/23 2:43 pm Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair

Credit Hours

LEC: 3

LAB: 0

IND: 0

RSD: 0

Total: 3

Justification for
new course:

The Civil Rights Movement is one of the most significant historical events of the later twentieth century, yet the department offers no course that focuses on it. The course material is vital for understanding present-day race relations in the United States, as well the enduring legacy of protest movements and the push for civil rights among other marginalized groups.

Semester(s)
previously taught

Co-Listed
Courses:

Course Reviewer
Comments

jpnfd (05/15/23 11:58 am): Updated prerequisite format

Key: 4983

[Preview Bridge](#)

Course Change Request

New Experimental Course Proposal

Date Submitted: 06/15/23 9:54 am

Viewing: **PHYSICS 5001.002 : Computational Physics Laboratory**

File: 4989

Last edit: 07/06/23 11:04 am

Changes proposed by: vojtat

Requested	Spring 2024
Effective Change Date	
Department	Physics
Discipline	Physics (PHYSICS)
Course Number	5001
Topic ID	002
Experimental Title	Computational Physics Laboratory
Experimental Abbreviated Course Title	Comp Physics Lab
Instructors	Dr. Julia Medvedeva

Experimental Catalog Description	Computational project-based studies in the areas of fundamental and applied physics, chemistry and materials science. Computations and atomistic and ab-initio computer simulations using Quantum Espresso, Siesta, and/or LAMMPS on the S&T HPC cluster, The Foundry, as well as learning Linux, data analysis, bash-scripting and Python visualization.
Prerequisites	Physics 2305.
Field Trip	N/A

In Workflow

1. RPHYSICS Chair
2. CCC Secretary
3. Sciences DSCC Chair
4. Pending CCC Agenda post
5. CCC Meeting Agenda
6. Campus Curricula Committee Chair
7. CAT entry
8. Registrar

Approval Path

1. 06/15/23 9:55 am
Thomas Vojta (vojtat): Approved for RPHYSICS Chair
2. 07/06/23 3:13 pm
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
3. 07/20/23 12:38 pm
Katie Shannon (shannonk): Approved for Sciences DSCC Chair

Statement

Credit Hours

LEC: 0

LAB: 3

IND: 0

RSD: 0

Total: 3

Justification for
new course:

Computational approaches play an increasing role in physics. This class provides hands-on experience for advanced undergraduates and beginning graduate students in a number of important computational physics techniques and methods.

Physics has offered a similar experimental class at the 3000 level in 2021, but based on student feedback, we believe 5000 level would be a better fit.

Semester(s)
previously taught

Offered at the 300 level in spring 2021.

Co-Listed
Courses:

Course Reviewer
Comments

jpnfd (07/06/23 11:01 am): Updated prerequisite format.

Key: 4989

[Preview Bridge](#)

Course Change Request

New Experimental Course Proposal

Date Submitted: 05/22/23 2:05 pm
Viewing: **TCH COM 6001.002 : Social Movements Online**
File: 4985
Last edit: 05/26/23 8:56 am
Changes proposed by: kswenson

Requested	Spring 2024
Effective Change Date	
Department	English and Technical Communication
Discipline	Technical Communication (TCH COM)
Course Number	6001
Topic ID	002
Experimental Title	Social Movements Online
Experimental Abbreviated Course Title	Social Movements Online
Instructors	Carleigh Davis

Experimental Catalog Description	
This upper-level, research focused course examines the spread of social movements online. Students will conduct original research on a social movement of their choice, exploring the ways that its rhetorical practices evolve with and through its mediational technologies.	
Prerequisites	Graduate standing.
Field Trip Statement	N/A

- In Workflow
1. **REGLISH Chair**
 2. **CCC Secretary**
 3. **Arts & Humanities DSCC Chair**
 4. **Pending CCC Agenda post**
 5. CCC Meeting Agenda
 6. Campus Curricula Committee Chair
 7. CAT entry
 8. Registrar

- Approval Path
1. 05/22/23 2:05 pm
Kristine Swenson (kswenson):
Approved for REGLISH Chair
 2. 05/26/23 8:56 am
Jennifer Pohlsander (jpnfd): Approved for CCC Secretary
 3. 05/26/23 10:44 am
Petra Dewitt (dewittp): Approved for Arts & Humanities DSCC Chair

Credit Hours	LEC: 3	LAB: 0	IND: 0	RSD: 0	Total: 3
--------------	--------	--------	--------	--------	----------

Justification for new course:	This course meets the growing needs of our graduate program, both on campus and online.
-------------------------------	---

Semester(s) previously taught	N/A
-------------------------------	-----

Co-Listed Courses:

Course Reviewer Comments	jpnfd (05/26/23 8:56 am): Updated prerequisite format.
--------------------------	---

Key: 4985

[Preview Bridge](#)