

# BA IN PHILOSOPHY (SCIENCE, REASON AND VALUES)

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**SACRAMENTO STATE**  
*Redefine the Possible*

## In Workflow

1. PHIL Committee Chair (grandolphmayes@csus.edu)
2. PHIL Chair (rdisilv@csus.edu)
3. ALS College Committee Chair (abuckman@csus.edu)
4. ALS Dean (rfisher@csus.edu)
5. Academic Services (catalog@csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Faculty Senate Executive Committee Chair (kathy.garcia@csus.edu)
8. Faculty Senate Chair (kathy.garcia@csus.edu)
9. Dean of Undergraduate (james.german@csus.edu; celena.showers@csus.edu)
10. Dean of Graduate (cnewsome@skymail.csus.edu)
11. President (sarah.billingsley@csus.edu)
12. Catalog Editor (torsetj@csus.edu)
13. Registrar's Office (wlindsey@csus.edu)

## Approval Path

1. Thu, 22 Jul 2021 17:08:30 GMT  
G. Mayes (grandolphmayes): Approved for PHIL Committee Chair
2. Thu, 19 Aug 2021 00:08:57 GMT  
Russell DiSilvestro (rdisilv): Approved for PHIL Chair
3. Wed, 13 Oct 2021 18:33:41 GMT  
Alyson Buckman (abuckman): Approved for ALS College Committee Chair
4. Wed, 13 Oct 2021 18:34:24 GMT  
Robin Fisher (rfisher): Approved for ALS Dean
5. Thu, 11 Nov 2021 22:58:57 GMT  
Janett Torset (torsetj): Approved for Academic Services
6. Wed, 24 Nov 2021 23:21:14 GMT  
Julie Fogarty (fogarty): Approved for Senate Curriculum Subcommittee Chair
7. Thu, 02 Dec 2021 20:44:29 GMT  
Kathy Garcia (kathy.garcia): Rollback to PHIL Chair for Faculty Senate Executive Committee Chair
8. Wed, 22 Dec 2021 00:10:15 GMT  
Russell DiSilvestro (rdisilv): Approved for PHIL Chair
9. Tue, 01 Feb 2022 00:28:22 GMT  
Alyson Buckman (abuckman): Approved for ALS College Committee Chair
10. Tue, 01 Feb 2022 00:30:17 GMT  
Robin Fisher (rfisher): Approved for ALS Dean

## History

1. May 1, 2018 by clmig-jwehrheim
2. Sep 19, 2018 by 212408496
3. Sep 19, 2018 by 212408496
4. Sep 19, 2018 by 212408496
5. Apr 28, 2020 by Celena Showers (celena.showers)
6. Mar 23, 2021 by Russell DiSilvestro (rdisilv)
7. Apr 20, 2021 by Celena Showers (celena.showers)

Date Submitted: Fri, 18 Jun 2021 21:42:25 GMT

**Viewing: BA in Philosophy (Science, Reason and Values)**

**Last approved: Tue, 20 Apr 2021 20:00:54 GMT**

**Last edit: Wed, 01 Dec 2021 19:40:32 GMT**

Changes proposed by: G. Mayes (101041144)

**Academic Group: (College)**

Arts & Letters

**Academic Organization: (Department)**

Philosophy

**Catalog Year Effective:**

2022-2023 Catalog

**Individual(s) primarily responsible for drafting the proposed degree major program:**

Name (First Last)	Email	Phone 999-999-9999
Gregory Mayes	mayesgr@csus.edu	916-278-6424

**Type of Program Proposal:**

Concentration

**Program Change Type:**

Substantive

**Title of the Program:**

BA in Philosophy (Science, Reason and Values)

**Designation: (degree terminology)**

Bachelor of Arts

**Briefly describe the program proposal (new or change) and provide a justification:**

All Philosophy concentrations are being revised for the following reasons: (1) To achieve greater uniformity across the concentrations in core subject and total unit requirements; (2) to respond to a recent program review suggestion to create a required entry level Philosophical Methods (PHIL 89) course that will both prepare majors for advanced study and serve as an entry level assessment vehicle in conjunction with our Senior Seminar (PHIL 189). (3) To better prepare majors for advanced study by creating uniform prerequisites to upper division core courses. This concentration is also undergoing a name change and the content of the concentration is being modified to bring it more into alignment with the Department's identity as Sacramento State's center of research and instruction in ethics and values.

**Objectives of the degree program:**

To provide a strong foundation in philosophy for majors, stressing clear, rigorous, impartial and systematic thought.

To provide students the opportunity to develop the analytical tools needed to study the philosophical problems that arise in the context of scientific inquiry.

**University Learning Goals**

**Undergraduate Learning Goals:**

Competence in the disciplines

**Will this program be required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?**

No

**Please attach a Comprehensive Program Assessment Plan (required)**

1819-ba-philo-plan.pdf

**Please attach a Curriculum Map Matrix (required)**

Torset email about required documents.pdf

**Please attach a five-year budget projection (required)**

2019-20 Dept Allocation\_PHIL\_Rev.pdf

**Do these changes impact the Smart Planner roadmap?**

Yes

**Please attach the Smart Planner roadmap:**

2022\_PHIL\_Science, Reason and Values BA 07 14 21.pdf

**Briefly describe the change:**

Changes reflect name change for the concentration, change of units, new courses and new prerequisites.

**Catalog Description:****Units required for Major: 42****Total units required for BA: 120**

## Program Description

The concentration in Science, Reason and Values is designed for students who are interested in the philosophical, rational and moral foundations of science and its applications. This concentration provides an excellent double major opportunity for science students interested in broadening and deepening their understanding of the normative elements of their chosen field. It is also a good choice for philosophy students who are interested in graduate study in the philosophy of science.

The concentration focuses on providing students with a deep understanding of the nature of scientific rationality. Topics include scientific explanation, the nature of scientific evidence, the process of confirming and revising our theories and beliefs, the problem of decision under conditions of uncertainty, and the scientific study of social phenomena. The philosophy of science also explores traditional philosophical questions as they arise in the context of scientific inquiry. Some of these are: Do we really know that the theoretical entities of science exist? What is the difference between science and pseudo-science? Do different sciences give us fundamentally different ways of understanding the world? Is science converging on truth or will it always undergo revolutionary changes that reject widely accepted theories of the past? Does scientific inquiry have intrinsic value or are there questions that scientists should not ask?

**Note:** Philosophy majors must fulfill the GE Writing Intensive "supervenient requirement" with courses **in the major, only**.

As defined by policy <http://www.csus.edu/umannual/acadaff/fsm00010.htm>, a change in units constitutes a substantive change to the program. If your changes constitute a substantive change, please refer back to the "Program Change Type" field above to ensure that "Substantive" is selected.

**Program Requirements: (If new courses are being created as part of a new program, it will be useful to propose courses first.)**

## Program Requirements

Code	Title	Units
<b>Lower Division Courses (8 Units)</b>		
PHIL 89	Course PHIL 89 Not Found	2
Select two courses from the following list. PHIL 60 or PHIL 61 are required.		6
PHIL 60 or PHIL 61	Deductive Logic I <sup>1,4</sup> Inductive Logic I	
PHIL 2	Ethics <sup>1</sup>	
PHIL 4	Critical Thinking <sup>1</sup>	
PHIL 6	Introduction to Philosophy: Knowledge, World and Self <sup>1</sup>	
PHIL 26	History of Philosophy <sup>1</sup>	
<b>Upper Division Core Courses (13 Units)</b>		
PHIL 127	History of Ancient Philosophy	3
PHIL 128	History of Modern Philosophy	3
PHIL 183	Course PHIL 183 Not Found	
PHIL 189	Senior Seminar in Philosophy	1
Two courses from the following list:		6
PHIL 180	Knowledge and Understanding	
PHIL 181	Metaphysics	
PHIL 182	Course PHIL 182 Not Found	
<b>Science, Reason, and Values Concentration (15 Units)</b>		
<i>Science, Reason, and Values Core</i>		
PHIL 105	Science and Human Values ✎	3
PHIL 125	Philosophy Of Science	3
PHIL 156	Course PHIL 156 Not Found	
PHIL 190 or 192 series seminar		3

**Additional courses**

Two from the following list not taken to satisfy the above requirements:		6
PHIL 104	Bioethics	
PHIL 106	Course PHIL 106 Not Found	
PHIL 153	Philosophy Of Mind	
PHIL 154	Philosophy Of Language	
PHIL 160	Deductive Logic II	
PHIL 180	Knowledge and Understanding	
PHIL 181	Metaphysics	
PHIL 182	Course PHIL 182 Not Found	
PHIL 195	Philosophy Internship <sup>2</sup>	

**Total Units** **36**

- <sup>1</sup> Course also satisfies General Education (GE)/Graduation Requirement.  
<sup>2</sup> If taken for less than 3 units, must be repeated until 3 units are achieved.  
<sup>3</sup> See list below for list of Department approved electives.  
<sup>4</sup> Department recommends that both PHIL 60 and PHIL 61 should be taken.

**Elective List**

Code	Title	Units
PHIL 104	Bioethics <sup>1</sup>	3
PHIL 106	Philosophy of Medicine	3
PHIL 153	Philosophy Of Mind	3
PHIL 154	Philosophy Of Language	3
PHIL 160	Deductive Logic II	3
PHIL 180	Knowledge and Understanding	3
PHIL 181	Metaphysics	3
PHIL 182	Ethical Theory	3
PHIL 190	Selected Philosophers	3
PHIL 192B	Topics in Bioethics	3
PHIL 192E	Topics in Epistemology	3
PHIL 192F	Topics in Ethics	3
PHIL 192L	Topics in Philosophy Language	3
PHIL 192M	Topics in Philosophy of Mind	3
PHIL 192O	Topics in Contemporary Metaphysics	3
PHIL 192P	Topics in Social and Political Philosophy	3
PHIL 192R	Topics in Philosophy of Religion	3
PHIL 192S	Topics in Philosophy of Science	3
PHIL 192T	Topics in Philosophy of Social Science	3
PHIL 195	Philosophy Internship	1 - 3

- <sup>1</sup> Course also satisfies General Education (GE)/Graduation Requirement.

**General Education Requirements<sup>1</sup>**

Code	Title	Units
<b>Area A: Basic Subjects (6-9 Units)</b>		
A1	Oral Communication	3
A2	Written Communication	3
A3	Critical Thinking <sup>2</sup>	0 - 3
<b>Area B: Physical Universe and Its Life Forms (13 Units)</b>		
B1	Physical Science	3
B2	Life Forms	3
B3	Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5)	1
B4	Math Concepts	3
B5	Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements. <sup>3</sup>	3
<b>Area C: Arts and Humanities (6-12 Units)</b>		
C1	Arts	3
C2	Humanities <sup>2</sup>	0 - 3
C1/C2	Area C Course	3

C1/C2 - Area C Course - Take upper-division course to complete Area & upper division requirements. <sup>4</sup>	0 - 3
<b>Area D: The Individual and Society (6-9 Units)</b>	
Area D Course	3
Area D Course	3
Area D Course - Take upper-division course to complete Area & upper division requirements. <sup>4</sup>	0 - 3
<b>Area E: Understanding Personal Development (3 Units)</b>	
Area E Course	3
<b>Area F: Ethnic Studies (3 Units)</b>	
Area F Course	3
<b>Total Units</b>	<b>37-49</b>

- <sup>1</sup> To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (<http://catalog.csus.edu/colleges/academic-affairs/general-education/>).
- Note:** There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (<http://www.csus.edu/acad/>), by phone (916) 278-1000, or email ([advising@csus.edu](mailto:advising@csus.edu)).
- <sup>2</sup> Department offers students a "select from the following" option:
- If student chooses to take PHIL 4, they will meet Area A3.
  - If student chooses to take PHIL 2, PHIL 6, or PHIL 26, they will meet Area C2.
- <sup>3</sup> Required in Major; also satisfies GE.
- <sup>4</sup> Department offers students a "select from the following" option:
- If student chooses to take PHIL 102, PHIL 112, PHIL 115, PHIL 117, PHIL 122, PHIL 131, PHIL 136, PHIL 145A, or PHIL 145B, they will meet upper division Area C.
  - If student chooses to take PHIL 101, PHIL 103, PHIL 104, or PHIL 105, they will meet upper division Area D.

## Graduation Requirements <sup>1</sup>

Code	Title	Units
<b>Graduation Requirements (required by CSU) (6-9 Units)</b>		
American Institutions: U.S. History		3
American Institutions: U.S. Constitution & CA Government		3
Writing Intensive (WI) <sup>2</sup>		0 - 3
<b>Graduation Requirements (required by Sacramento State) (12 Units)</b>		
English Composition II		3
Race and Ethnicity in American Society (RE)		3
Foreign Language Proficiency Requirement <sup>3</sup>		6

- <sup>1</sup> To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (<http://catalog.csus.edu/colleges/academic-affairs/general-education/>).
- Note:** There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (<http://www.csus.edu/acad/>), by phone (916) 278-1000, or email ([advising@csus.edu](mailto:advising@csus.edu)).
- <sup>2</sup> Department offers students a "select from the following" option:
- If student chooses to take PHIL 101, PHIL 105, PHIL 112, PHIL 115, PHIL 117, PHIL 145A, or PHIL 145B, they will meet the Writing Intensive (WI) graduation requirement.
- <sup>3</sup> If not satisfied before entering Sacramento State, it may be satisfied in General Education Area C2 (Humanities). "C- or better required." The alternative methods for satisfying the Foreign Language Proficiency Requirement are described here: <https://www.csus.edu/college/arts-letters/world-languages-literatures/foreign-language-requirement.html>

## Fiscal Impact to Change an Existing Program

Indicate programmatic or fiscal impact which this change will have on other academic units' programs, and describe the consultation that has occurred with affected units:

No impact

Provide a fiscal analysis of the proposed changes:

No impact

How will the above changes be accommodated within the department/College existing fiscal resources?

No accommodation required.

Will the proposed changes require additional resources?

No

**What additional space, equipment, operating expenses, library, computer, or media resources, clerical/technical support, or other resources will be needed?**

None

**Estimate the cost and indicate how these resource needs will be accommodated:**

0

**Please attach any additional files not requested above:**

Clarification.pdf

**Reviewer Comments:**

**G. Mayes (grandolphmayes) (Thu, 22 Jul 2021 17:08:02 GMT):** Please note that in the program requirements some unit totals in parentheses, 20 for lower division, 19 for upper-division, as well as the total units 136-138 are not editable and are not accurate.

**Kathy Garcia (kathy.garcia) (Thu, 02 Dec 2021 20:44:29 GMT):** Rollback: 12/2/21: The proposal has been rolled back to the Department at their request.

Key: 51