Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, San Diego 2022-2023 General Catalog, Quarter	From: De Anza College 2022-2023 General Catalog, Quarter

Psychology B.S.

GENERAL INFORMATION

DATED MATERIAL, SUBJECT TO CHANGE. PLEASE CONSULT CURRENT UCSD GENERAL CATALOG FOR ANY ADDITIONAL INFORMATION.

For more details, please visit our main website: http://psychology.ucsd.edu/ and specific information for New and Prospective Students.

Special Advising Notes:

1. All majors within the Psychology Department must complete listed lower division major course requirements, regardless of IGETC certification.

2. Lower-division courses cannot be petitioned for upper-division major course requirements. All Community College courses are considered lower-division.

3. For the Natural Science courses, students are required to complete a total of any three lower-division natural science courses from the list below.
   * Please note: only one of BILD 12, COGS 17 or PSYC 2 may be counted towards this requirement.

4. For the Formal Skills courses, students are required to complete a total of three lower-division formal skills courses in research methods and calculus.
   Only one research methods course can be applied to the formal skills area.

5. For careers that require advanced calculus, we recommend students complete MATH 20A and MATH 20B.

6. For students pursuing future graduate study, we recommend COGS 18, CSE 11, ECE 15, or MAE 8.

UC San Diego Advanced Placement (AP) and International Baccalaureate (IB) credit policies are detailed in the links below:

Advanced Placement (AP) https://www.ucsd.edu/catalog/pdf/APC-chart.pdf

International Baccalaureate (IB) https://catalog.ucsd.edu/_files/international-baccalaureate-credits-chart.pdf

PSYCHOLOGY B.S. MAJORS ARE REQUIRED TO COMPLETE A TOTAL OF THREE LOWER-DIVISION NATURAL SCIENCE COURSES FROM THE LIST BELOW (SEE NOTE #THREE ABOVE)

BILD 1 - The Cell (4.00) ←

BIOL 6A - Form and Function in the Biological World (6.00)
--- And ---
BIOL 6B - Cell and Molecular Biology (6.00)
--- And ---
BIOL 6C - Ecology and Evolution (6.00)

--- Or ---

BIOL 6AH - Form and Function in the Biological World - HONORS (6.00)
--- And ---
BIOL 6B - Cell and Molecular Biology (6.00)
--- And ---
BIOL 6CH - Ecology and Evolution - HONORS (6.00)

BILD 2 - Multicellular Life (4.00)	←	**BIOL 6A** - Form and Function in the Biological World (6.00) **--- And ---** **BIOL 6B** - Cell and Molecular Biology (6.00) **--- And ---** **BIOL 6C** - Ecology and Evolution (6.00) **--- Or ---** **BIOL 6AH** - Form and Function in the Biological World - HONORS (6.00) **--- And ---** **BIOL 6B** - Cell and Molecular Biology (6.00) **--- And ---** **BIOL 6CH** - Ecology and Evolution - HONORS (6.00)
BILD 3 - Organismic and Evolutionary Biology (4.00)	←	**BIOL 6A** - Form and Function in the Biological World (6.00) **--- And ---** **BIOL 6B** - Cell and Molecular Biology (6.00) **--- And ---** **BIOL 6C** - Ecology and Evolution (6.00) **--- Or ---** **BIOL 6AH** - Form and Function in the Biological World - HONORS (6.00) **--- And ---** **BIOL 6B** - Cell and Molecular Biology (6.00) **--- And ---** **BIOL 6CH** - Ecology and Evolution - HONORS (6.00)
BILD 10 - Fundamental Concepts of Modern Biology (4.00)	←	**BIOL 10** - Introductory Biology (5.00) **--- Or ---** **BIOL 10H** - Introductory Biology - HONORS (5.00)
BILD 20 - Human Genetics in Modern Society (4.00)	←	No Course Articulated
BILD 26 - Human Physiology (4.00)	←	**BIOL 40A** - Human Anatomy and Physiology (5.00) **--- And ---** **BIOL 40B** - Human Anatomy and Physiology (5.00) **--- And ---** **BIOL 40C** - Human Anatomy and Physiology (5.00)

CHEM 4 - Basic Chemistry (4.00)	←	**CHEM 30A** - Introduction to General, Organic, and Biochemistry I (5.00)
--- Or ---		
CHEM 11 - The Periodic Table (4.00)	←	No Course Articulated
CHEM 6A - General Chemistry I (4.00)	←	**CHEM 1A** - General Chemistry (5.00) **--- Or ---** **CHEM 1AH** - General Chemistry - HONORS (5.00)
CHEM 6B - General Chemistry II (4.00)	←	**CHEM 1B** - General Chemistry (5.00) **--- Or ---** **CHEM 1BH** - General Chemistry - HONORS (5.00)
CHEM 6C - General Chemistry III (4.00)	←	**CHEM 1C** - General Chemistry and Qualitative Analysis (5.00) **--- Or ---** **CHEM 1CH** - General Chemistry and Qualitative Analysis - HONORS (5.00)

PHYS 1A - Mechanics (3.00)	←	**PHYS 2A** - General Introductory Physics (5.00)
PHYS 1B - Electricity and Magnetism (3.00)	←	**PHYS 2B** - General Introductory Physics (5.00)
PHYS 1C - Waves, Optics, and Modern Physics (3.00)	←	**PHYS 2C** - General Introductory Physics (5.00)
PHYS 2A - Physics - Mechanics (4.00)	←	**PHYS 4A** - Physics for Scientists and Engineers: Mechanics (6.00)
PHYS 2B - Physics - Electricity and Magnetism (4.00)	←	**PHYS 4B** - Physics for Scientists and Engineers: Electricity and Magnetism (6.00)
PHYS 2C - Physics - Fluids, Waves, Thermodynamics, and Optics (4.00)	←	**PHYS 4C** - Physics for Scientists and Engineers: Fluids, Waves, Optics and Thermodynamics (6.00)
PHYS 10 - Concepts in Physics (4.00)	←	No Course Articulated

PHYS 11 - Survey of Physics (4.00)	←	No Course Articulated

BILD 12 - Neurobiology and Behavior (4.00)	←	No Course Articulated
--- Or ---		
COGS 17 - Neurobiology of Cognition (4.00)	←	**PSYC 24** - Introduction to Psychobiology (4.00)
--- Or ---		
PSYC 2 - General Psychology: Biological Foundations (4.00)	←	**PSYC 24** - Introduction to Psychobiology (4.00)

PSYCHOLOGY B.S. MAJORS ARE REQUIRED TO COMPLETE A TOTAL OF THREE LOWER-DIVISION FORMAL SKILLS COURSES, INCLUDING ONE IN RESEARCH METHODS. STUDENTS MAY SELECT COURSES FROM THE LISTED COURSES BELOW (SEE NOTE #FOUR AND #FIVE ABOVE)

PSYC 70 - Research Methods in Psychology (4.00)	←	**PSYC 3** - An Introduction to Cognitive Psychology (4.00) **--- Or ---** **PSYC 2** - Research Methods in Psychology (6.00)
--- Or ---		
COGS 14A - Introduction to Research Methods (4.00)	←	**PSYC 2** - Research Methods in Psychology (6.00)
--- And ---		
MATH 10A - Calculus I (4.00)	←	No Course Articulated
MATH 10B - Calculus II (4.00)	←	No Course Articulated
--- Or ---		
MATH 20A - Calculus for Science and Engineering (4.00)	←	**MATH 1A** - Calculus (5.00) **--- Or ---** **MATH 1AH** - Calculus - HONORS (5.00)
MATH 20B - Calculus for Science and Engineering (4.00)	←	**MATH 1B** - Calculus (5.00) **--- Or ---** **MATH 1BH** - Calculus - HONORS (5.00)

PSYCHOLOGY B.S. MAJORS ARE REQUIRED TO COMPLETE ONE LOWER-DIVISION COMPUTER PROGRAMMING COURSE (SEE NOTE #SIX ABOVE)

COGS 18 - Introduction to Python (4.00)	←	**CIS 40** - Introduction to Programming in Python (4.50)
CSE 6R - Introduction to Computer Science and Object-Oriented Programming: Python (4.00)	←	**CIS 41A** - Python Programming (4.50)
CSE 8A - Introduction to Programming and Computational Problem Solving I (4.00)	←	**CIS 22A** - Beginning Programming Methodologies in C++ (4.50) **--- Or ---** **CIS 36A** - Introduction to Computer Programming Using Java (4.50) **--- Or ---** **CIS 40** - Introduction to Programming in Python (4.50)
CSE 8B - Introduction to Programming and Computational Problem Solving II (4.00)	←	**CIS 36B** - Intermediate Problem Solving in Java (4.50)
CSE 11 - Introduction to Programming and Computational Problem Solving - Accelerated Pace (4.00)	←	**CIS 35A** - Java Programming (4.50) **--- Or ---** **CIS 36A** - Introduction to Computer Programming Using Java (4.50) **--- And ---** **CIS 36B** - Intermediate Problem Solving in Java (4.50)
CSE 12 - Basic Data Structures and Object-Oriented Design (4.00)	←	**CIS 22C** - Data Abstraction and Structures (4.50) **--- And ---** **CIS 28** - Object Oriented Analysis and Design (4.50) **--- Or ---** **CIS 22CH** - Data Abstraction and Structures - HONORS (4.50) **--- And ---** **CIS 28** - Object Oriented Analysis and Design (4.50)

ECE 15 - Engineering Computation (4.00)	←	This course must be taken at the university after transfer
MAE 5 - Quantitative Computer Skills (4.00)	←	No Course Articulated
MAE 8 - MATLAB Programming for Engineering Analysis (4.00)	←	**CIS 35A** - Java Programming (4.50) **--- Or ---** **CIS 22A** - Beginning Programming Methodologies in C++ (4.50) **--- Or ---** **CIS 40** - Introduction to Programming in Python (4.50) **--- Or ---** **CIS 41A** - Python Programming (4.50) **--- Or ---** **CIS 41B** - Advanced Python Programming (4.50)

PSYCHOLOGY B.S. MAJORS ARE REQUIRED TO COMPLETE ONE LOWER-DIVISION STATISTICS COURSE. THIS COURSE MUST BE TAKEN FOR A LETTER GRADE.

PSYC 60 - Introduction to Statistics (4.00)	←	**MATH 10** - Introductory Statistics (5.00) **--- Or ---** **MATH 10H** - Introductory Statistics - HONORS (5.00) **--- Or ---** **MATH 17** - Integrated Statistics 2 (5.00) **--- Or ---** **PSYC 15** - Statistics and Research Methods in Social Science (4.00) Same-As: SOC 15
--- Or ---		
COGS 14B - Introduction to Statistical Analysis (4.00)	←	**MATH 10** - Introductory Statistics (5.00) **--- Or ---** **PSYC 15** - Statistics and Research Methods in Social Science (4.00) Same-As: SOC 15
--- Or ---		
MATH 11 - Calculus Based Elementary Probability and Statistics (5.00)	←	**MATH 10** - Introductory Statistics (5.00) **--- Or ---** **MATH 10H** - Introductory Statistics - HONORS (5.00)

END OF AGREEMENT