

Articulation Agreement by Major

Effective during the 2022-2023 Academic Year

To: University of California, Los Angeles
2022-2023 General Catalog, Quarter

From: De Anza College
2022-2023 General Catalog, Quarter

Statistics/B.S.

IMPORTANT MAJOR INFORMATION

Listed below are the lower division preparation courses for the major. To be considered for this major you must complete the following coursework by the end of spring before transfer: one introductory course in statistics course and one and a half years of calculus through multivariable. Only approved statistics courses can satisfy the major requirement (visit www.assist.org articulation agreement by major). All courses must be taken for a letter grade. If your school does NOT offer an approved course, you must still complete one transferable statistics course to be considered for this major. For more information regarding this major and UCLA's transfer selection process, visit <https://stat.ucla.edu> and <https://admission.ucla.edu>.

PLEASE NOTE: the courses listed below have been approved to satisfy the preparation for this major at UCLA, but they may not be exact equivalents of the UCLA courses listed.

AP EXAM CREDIT

The AP Exam scores listed below may be used to satisfy the Statistics major prep:

Ascore of 4 or higher on the **AP Statistics exam** can be used in place of the statistics course.

Ascore of 5 or higher on the **AP Calculus AB exam** or 4 on the **BC exam** is equivalent to Math 31A and can be used in place of the first calculus course.

Ascore of 5 on the **AP Calculus BC exam** is equivalent to Math 31AB and can be used in place of the first two calculus courses..

NOTE: AP Calculus score of 3 or 4 will be used to meet 1st calculus course requirement (title credit only). The 2nd course in calculus with analytical geometry must be completed and will validate the 1st course.

ADDITIONAL MAJOR INFORMATION

The community college statistics course included on this agreement has been approved as a substitute for Statistics 12 or 13 which means it may not transfer as an exact UCLA equivalent.

LOWER DIVISION MAJOR REQUIREMENTS

MATH 31A - Differential and Integral Calculus (4.00)

--- And ---

MATH 31B - Integration and Infinite Series (4.00)



MATH 1A - Calculus (5.00)

--- And ---

MATH 1B - Calculus (5.00)



MATH 32A - Calculus of Several Variables (4.00)

--- And ---

MATH 32B - Calculus of Several Variables (4.00)

MATH 1C - Calculus (5.00)

--- And ---

MATH 1D - Calculus (5.00)



MATH 33A - Linear Algebra and Applications (4.00)



COMPTNG 10A - Introduction to Programming(C++) (5.00)

MATH 2B - Linear Algebra (5.00)

CIS 27 - Programming in C++ for C/Java Programmers (4.50)

--- Or ---

CIS 22A - Beginning Programming Methodologies in C++ (4.50)

--- And ---

CIS 22B - Intermediate Programming Methodologies in C++ (4.50)

STATS 10 - Introduction to Statistical Reasoning (5.00)



MATH 10 - Introductory Statistics (5.00)

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies (5.00)



MATH 10 - Introductory Statistics (5.00)

- Acceptable substitute

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences (5.00)

- *Acceptable substitute*



MATH 10 - Introductory Statistics (5.00)

STATS 15 - Introduction to Data Science (5.00)



Course(s) Denied: CIS 9;

STATS 20 - Introduction to Statistical Programming with R. (4.00)



CIS 44H - R Programming (4.50)

END OF AGREEMENT