

**CERTIFICATE APPROVED PROGRAM****Submission Process Notes:**

1. CAP forms are due by **December 15 for Fall or June 15 for Spring or August 15 for summer award of certificate. Late submission will cause a delay of award of certificate or you may be considered for the next term.**
2. Paper certificate will be mailed to your mailing address on record. For instructions to update your mailing address, please visit <https://cms.sfsu.edu/content/student-center>
3. Pay for the CAP form fee (\$7.00) through the Gateway- Student Center. Instructions to pay online can be found here: <https://grad.sfsu.edu/content/pay-graduate-fees-online>

Date: \_\_\_\_\_ Student ID No. \_\_\_\_\_

Name: \_\_\_\_\_  
Last First Middle

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

**Official Certificate Title from *Bulletin*:**  
**Data Science for Biology and Chemistry****Department offering certificate:**  
**Chemistry****Graduate** **All requirements must be completed within 7 years from the start of the term of the earliest course listed below**

Dept. and Course No	Course Title	Units Required	Units Completed	Term Registered	Institution (if transfer)	Grade
<b>Core Courses: (9 units)</b>						
CHEM 806	Exploratory Data Science for Scientists	4	4			
CHEM 807	Coding Community for Data Science	1	1			
CHEM 808	Professional Prospects for Quantitative Biologists	1	1			
CHEM 897	Research	3	3			
<b>Elective: (3-4 units)</b>						
Total for entire program		12-13				

TOTAL UNITS REQUIRED FOR CERTIFICATE: \_\_\_\_\_

The student has demonstrated, in accordance with university policy, an appropriate level of writing competency in the following manner (required):

 Satisfactory completion of CHEM 898 or 895 Other, specify: \_\_\_\_\_Other requirements (specify): \_\_\_\_\_  
\_\_\_\_\_Certificate Advisor (if appropriate): \_\_\_\_\_  
Type/Print Last Name Signature DateGraduate Coordinator (required): Andrew S Ichimura  
Type/Print Last Name Signature Date

Division of Graduate Studies:

\_\_\_\_\_  
Signature Date**Please attach a proof  
For payment of fee**