

Certificate Form

Certificates of Achievement (if applicable):

- A. An Annual Update must be completed for each Certificate of Achievement program.
- B. Programs with stackable certificates fill out the following form, which is included in the related degree program review.
- C. Stand-alone certificates fill out the entire Annual Update.

Name of Program: Food Science and Technology

Certificate Name	JSC	CA	Is the certificate stackable?	Is the certificate a stand alone program?
Food Science and Technology		X	Yes	Yes

Please discuss the following questions regarding all area Certificates of Achievement (CA):

1. List certificates that are proposed for addition.
This certificate is part of a new program starting summer 2019.
2. List certificates that are proposed for deletion.
3. For this CA, what are the SOC codes (Occupational Titles and codes) that students who complete the CA will be able to obtain entry-level employment in, and what are the projected annual openings and median salary for each occupational title? You can use your latest Program Review data for your response.
SOC Codes:
19-1012 – Food Scientists and Technologists – Entry level wages: \$27.65 – \$27.77
19-4011 – Agricultural and Food Science Technicians Entry level wages: \$17.40 - \$18.09
There are 87 projected annual openings in the Central/Mother Load region for Food Scientists and Technologists and Agricultural and Food Science Technicians with a 4% increase each year.
4. For this CA, what process was followed to ensure the required and possible elective courses were adequate for entry level employment (such as advisory committee input, surveys, industry feedback, licensing or accreditation agencies)? How often do/will you re-examine the effectiveness of certificate requirements?
Advisory Committee input and university recommendations were used to ensure the required courses and program are adequate for entry level positions. Re-examination of the effectiveness will be addresses yearly in advisory committee meetings with local industry and partnering universities.
5. What is your annual completion target (number of certificates awarded) for this CA? What was the number of awards in this CA for each of the past three years? Based on your results, what changes could you make in your program to meet or continue to exceed your target (such as course content, scheduling/sequence, outreach, instructional strategies)? **The annual completion target is 18 – 21 out of 25 students yearly. This is a new program so there are currently no results or data to examine for making changes to this target. In the future, changes that could make this program exceed this target would be increased faculty, staffing, equipment, materials, and facilities.**
6. Based on what you know about your area, what emerging/potential institutional factors (internal) and industry factors (external) will impact this certificate? How are you planning to incorporate these factors in your planning and evaluation of this certificate? **Internal factors that have the potential of impacting this program will be a lack of laboratory space to learn and perform industry required technical skills. Work with the Ag department chair, dean and facilities to examine laboratory room possibilities. Possible external factors might involve changes in regulations relating to this program at the industry level. Courses will be modified to meet these changes after meeting regularly and working closely with industry and other regulatory bodies.**