

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: Engineering Technology

Certificate Name	JSC	CA	Is the certificate stackable?	Is the certificate a stand alone program?
Engineering Technology (Proposed)		X	Yes	

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

1. List certificates that are proposed for addition.
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.
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?
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)?

1. Proposed addition of CA in Engineering Technology. This certificate will encapsulate the core requirements for the AS Engineering Technology into a certificate onto which students will be able to stack electives and general education into an associate degree. Engineering students will also be able to receive this CA as it is comprised of courses from the engineering core requirements.
2. No deletions.
3. The chart below lists SOC codes which this certificate can be applied toward:

SOC	Description	2018-23 Change	2018-23 % Change	Avg. Hourly Earnings	2017 Jobs	Annual Openings	2018-23 Repl Jobs	2018-23 Openings	Typical Entry Level Education
17-3022	Civil Engineering Technicians	17	13%	\$27.28	121	15	57	74	AS degree
17-3023	Electrical and Electronics Engineering Technicians	(22)	(3%)	\$39.07	841	70	349	351	AS degree
17-3026	Industrial Engineering Technicians	2	3%	\$40.57	65	6	29	31	AS degree
17-3027	Mechanical Engineering Technicians	1	2%	\$29.24	56	5	24	25	AS degree
17-3029	Engineering Technicians, Except Drafters, All Other	(5)	(1%)	\$40.55	565	48	238	239	AS degree
		(8)	(0%)	\$38.44	1,649	144	697	720	

4. The requirements for this certificate were based on the core curriculum requirements for engineering technology established by the Accreditation Board for Engineering and Technology (ABET).
5. The annual target is 20 certificates per year.