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*The Mesa Community College  
Licensure and Certification Report*

*Annual Report AY 2021-2022*

Prepared by:  
*Office of Institutional Effectiveness*

**November 2022**

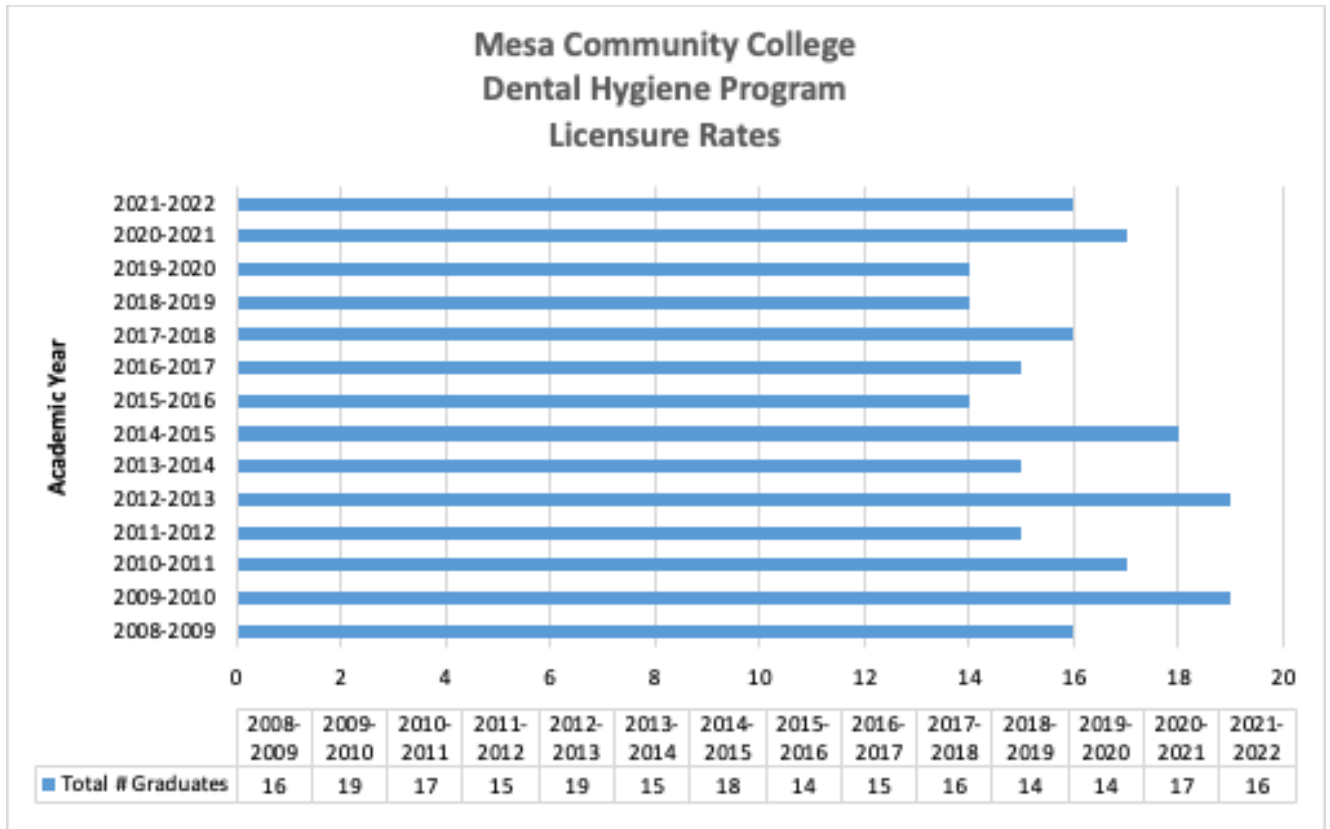
## Licensure and Certification

Students in Dental Hygiene, Fire Science, Mortuary Science, Network Academy, Nursing, and Veterinary Technology programs are able to receive licensure from outside licensure bodies after their studies at MCC. Data on licensure is presented below for these programs.

### Dental Hygiene

Dental hygiene students take a national written exam, a regional practical and written exam, and a state written jurisprudence exam. Students must pass all exams in order to obtain a license to practice. Results are obtained from the national and regional examining bodies.

Chart 1



Fire Science and EMT

The MCC Fire Science program offers certification in several areas as detailed in Tables 1-2 (last updated 2018). The Fire Fighter I and II Certification and the Hazardous Materials First Responder are both granted by the Arizona State Fire Marshall’s Office. The actual success rate of attainment of the certificates may be underestimated because only the initial attempt at passage is reported back to the college. Students have three chances to pass the certification.

Table 1

<b>Fire Science and EMT Licensing Agencies</b>	
<b>License/Certification</b>	<b>Agency</b>
<b>Candidate Physical Agility Test (FSC 130)</b>	International Association of Firefighters
	International Fire Chiefs Association
<b>Hazardous Materials/First Responder (FSC 105)</b>	Arizona Center for Fire Service Excellence
<b>Fire Operations (FSC 102)</b>	Arizona Center for Fire Service Excellence
<b>Wildland Firefighter (FSC 110)</b>	Arizona Bureau of Land Management
<b>Paramedic (EMT 272)</b>	Arizona State Department of Health Services and National Registry of EMTs
<b>EMT (EMT 104)</b>	Arizona State Department of Health Services and National Registry of EMTs
<b>Fire Investigation</b>	Arizona International Association of Arson Investigators
<b>Cardiopulmonary Resuscitation (EMT 101)</b>	American Heart Association

Table 2

<b>Mesa Community College - Fire Science/EMT Passage Rates</b>									
<b>License/Certification</b>	<b>Spring/Summer 2016</b>			<b>Spring/Summer 2017</b>			<b>Spring/Summer 2018</b>		
	<b>Attempt</b>	<b>Passed</b>	<b>%</b>	<b>Attempt</b>	<b>Passed</b>	<b>%</b>	<b>Attempt</b>	<b>Passed</b>	<b>%</b>
Wildland Firefighter (FSC 110)	0	0	0	21	21	100%	47	47	100%
Fire Department Operations (FSC 102)	20	17	85%	19	19	100%	41	41	100%
Hazardous Materials/First Responder (FSC105)	43	36	84%	38	30	79%	137	137	100%
Candidate Physical Ability Test (FSC 130)	25	17	68%	30	18	60%	34	19	56%
Cardiopulmonary Resuscitation (EMT 101)	223	223	100%	349	349	100%	192	192	100%
EMT (EMT 104: 3 attempts are allowed)	145	125	86%	125	108	86%	138	130	94%

Paramedic (EMT 272: 3 attempts are allowed)	23	23	100%	20	18	90%	20	17	85%
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### Network Academy

The Network Academy offers certification pathways in Network Administration, Network Security, Microsoft, Red Hat Linux, VMware, Information Assurance, and Workplace Skills. Training formats include fast tracks, traditional semesters, distance learning, and internet deliveries. Network Academy students earn industry certification after completion of the program; however, there is not a formal mechanism for reporting certifications back to the program.

### Nursing

Nursing students who complete a four-semester curriculum and receive the Associate of Applied Science degree are eligible to take an exam to become licensed through the National Council of State Boards of Nursing Examination for Nursing (NCLEX RN) licensure exam; pass rates are detailed in Table 3 below.

Table 3

<b>Mesa Community College Nursing Program NCLEX RN Examination</b>			
	<b>Total # Graduates</b>	<b># Graduates Taking NCLEX RN Exam</b>	<b>Pass Rate of Exam Takers</b>
<b>Spring 2014</b>	67	66	100%
<b>Spring 2015</b>	84	83	95%
<b>Spring 2016</b>	83	78	96%
<b>Spring 2017</b>	83	73	95%
<b>Spring 2018</b>	54	52	96%
<b>Spring 2019</b>	78	77	99%
<b>Spring 2020</b>	81	80	99%
<b>Spring 2021</b>	74	68	92%
<b>Spring 2022</b>	62	60	97%

### Veterinary Technology

Graduates of the MCC Veterinary Technology Program are required to complete two semesters of prerequisite coursework in order to qualify to formally apply for admission to the Program proper. After a selective admission process, the Program proper consists of a five-semester curriculum leading to the Associate of Applied Science in Veterinary Technology/Animal Health. Graduates are immediately eligible to “sit” for the Veterinary Technician National Examination (VTNE) and the Arizona state Veterinary Technician certification examination. The VTNE is administered by the Professional Examination Service, and the state certification examination is administered by the Arizona State Veterinary Medical Examining Board. Upon passing both the VTNE and the state certification examination, the successful candidate is granted certification as a Certified Veterinary Technician by the state of Arizona.

Table 4

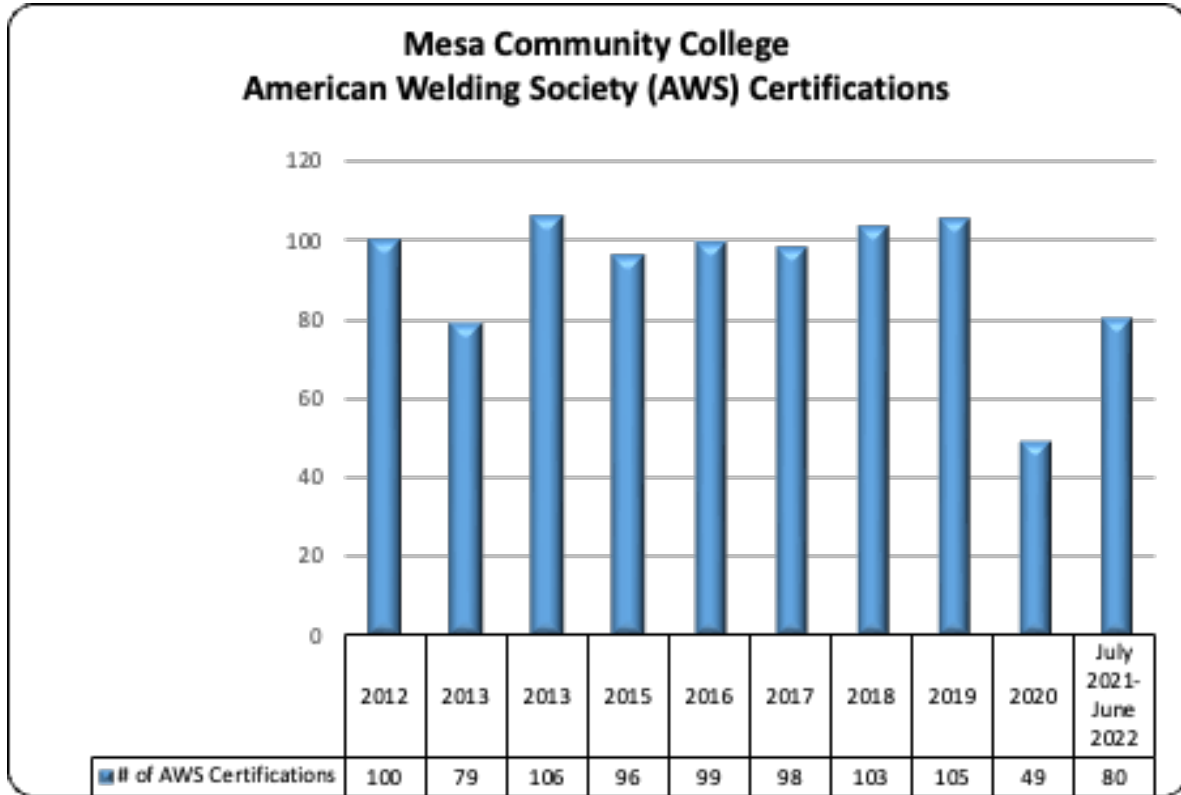
<b>Mesa Community College Veterinary Technology Board Exam Pass Rates</b>			
	<b>Graduates</b>	<b>% Passed State Exam</b>	<b>% Passed National Exam</b>
<b>Spring 2014</b>	13	85%	85%
<b>Spring 2015</b>	15	93%	93%
<b>Spring 2016</b>	10	100%	100%
<b>Spring 2017</b>	10 (6 sat for boards)	100%	100%
<b>Spring 2018</b>	11	N/A	100%
<b>Spring 2019</b>	18	N/A	71%
<b>Spring 2020</b>	10	N/A	100%
<b>Spring 2021</b>	15	N/A	89.9%
<b>Spring 2022</b>	9	N/A	(Not yet reported at the time of this report)

## Welding

Welding students who are on the path to gain a Certificate of Completion (CCL) in Welding develop skills in oxyacetylene (gas) and electric (arc) welding. The CCL in Welding has an emphasis on preparing students for the American Welding Society Arc certification exam.

The number of MCC students receiving the AWS Welding Certifications since 2012 are shown in Chart 2.

Chart 2



Industry welding certifications students received include:

- SMAW Plate
- FCAW Plate
- GMAW Plate
- GTAW Aluminum Sheet
- GTAW Stainless Steel Sheet
- GTAW Carbon Steel Sheet and
- GTAW/SMAW Pipe Certifications