



Skilled and Technical Sciences

Health Science Cluster Standards

Delaware Department of Education (DE DOE)
 Skilled and Technical Sciences Standards
 for
Certified Nurse Assistant

Additional Teacher Requirements: Work experience and education that meets DE DOE certification requirements for Skilled and Technical Sciences teacher
<http://regulations.delaware.gov/AdminCode/title14/1500> plus:

Pre-requisite Certification:

1. Current Delaware Registered Nurse License in good standing with the Delaware Division of Professional Regulation's Board of Nursing
<http://dpr.delaware.gov/boards/nursing/index.shtml> .

Pre-requisite Requirement:

1. Delaware Health and Social Services (DHSS) Certified Nursing Assistant (CNA) teaching requirements www.dhss.delaware.gov/dhss/dltcrp/cnareg.html . Current requirements include a minimum of one year of long term care experience.

Certified Nurse Assistant Pathway					
509 CIP#	Classification of Instructional Programs (CIP) Name	Skill Level	Credits	Standard	End of Pathway Assessment*
51.161421	Nurse/Nursing Assistant and Patient Care Assistant I	Foundational Skills	Minimum of 2	Basic Healthcare Skills as well as Specific Skills from the <i>Delaware Candidate Handbook for the Delaware Nurse Aide</i> (DHSS Division of Long Term Care) for Delaware Certified Nursing Assistant (CNA) General Patient Care plus the required 75 hours CNA clinical experience. Programs must fully comply with all State classroom and clinical requirements for CNA training courses set forth in Delaware Code, Title 16, §3003A and with all regulations promulgated pursuant to this chapter. http://delcode.delaware.gov/title16/c030a www.dhss.delaware.gov/dhss/dltcrp/cnareg.html	*May be administered at the end of Intermediate Skills training to facilitate Cooperative Education Delaware CNA Certification Test administered through Prometric http://www.prometric.com/nurseaide/DE
51.161422	Nurse/Nursing Assistant and Patient Care Assistant II	Intermediate Skills and Exam Preparation	Minimum of 2		
51.161423	Nurse/Nursing Assistant and Patient Care Assistant III	Employment-entry Skills, Cooperative Employment Opportunities, and Exam Preparation	Minimum of 2		

Delaware Department of Education (DE DOE)
 Skilled and Technical Sciences Standards
 for
Dental Assistant

Additional Teacher Requirements: Work experience and education that meets DE DOE certification requirements for Skilled and Technical Sciences teacher
<http://regulations.delaware.gov/AdminCode/title14/1500> plus:

Pre-requisite Certification Requirements:

1. Current Delaware Dental Hygienist License in good standing from the Delaware Division of Professional Regulation, Board of Dental Examiners <http://dpr.delaware.gov/boards/dental> ; OR
2. Current Delaware Dental Radiological Technology Certification through the DE Division of Public Health, Office of Radiation Control www.dhss.delaware.gov ; AND
3. Associate’s Degree in dental assisting or dental hygienist from an accredited educational institution; OR
4. Dental Assisting Certificate from a American Dental Association (ADA) Commission on Dental Accreditation (CODA) accredited dental assisting or dental hygiene program www.ada.org; OR
5. Certification by the Dental Assisting National Board (DANB) as a Certified Dental Assistant www.danb.org.

Certification Requirement:

1. Current certification by the Dental Assisting National Board (DANB) as a Certified Dental Assistant www.danb.org ; OR
2. Current Delaware Dental Hygienist License in good standing from the Delaware Division of Professional Regulation, Board of Dental Examiners <http://dpr.delaware.gov/boards/dental> .

Current Delaware Dental Radiological Technology Certification is equal to three Career-Related credits. A current DANB Certified Dental Assistant Certification is equal to an additional three Career-Related credits.

Dental Assistant Pathway					
509 CIP#	Classification of Instructional Programs (CIP) Name	Skill Level	Credits	Standard	End of Pathway Assessment
51.060121	Dental Assisting/Assistant I	Foundational Skills	Minimum of 2	Dental Assisting National Board Content Outlines for General Chairside, Infection Control, and Radiation Health & Safety www.danb.org	Dental Assisting (Test Code 3026) Job Ready Written Assessment from the National Occupational Competency Testing Institute (NOCTI) www.nocti.org
51.060122	Dental Assisting/Assistant II	Intermediate Skills	Minimum of 2		PLUS
51.060123	Dental Assisting/Assistant III	Employment-entry Skills, Cooperative Employment Opportunities, and Exam Preparation	Minimum of 2		Delaware Dental Radiological Technology (DDRT) Certification through the Delaware Division of Public Health, Office of Radiation Control (Delaware ORC) www.dhss.delaware.gov administered by the Dental Assisting National Board www.danb.org

Delaware Department of Education (DE DOE)
 Skilled and Technical Sciences Standards
 for
Dental Laboratory Technician

Additional Teacher Requirements: Work experience and education that meets DE DOE certification requirements for Skilled and Technical Sciences teacher
<http://regulations.delaware.gov/AdminCode/title14/1500> plus:

Pre-requisite Experience:

1. Prospective teachers must have a minimum of six years experience working in a dental laboratory fabricating both removable and fixed partial dentures.

Pre-requisite Certification Requirements:

1. Associate's Degree in Dental Laboratory Technology from an accredited educational institution; OR
2. Certificate of Completion from a School of Dental Laboratory Technology operated under the auspices of the United States Military; OR
3. National Board for Certification In Dental Laboratory's (NBC) Recognized Graduate OR Comprehensive Certification; AND National Board for Certification In Dental Laboratory's (NBC) Dental Technician Certification in at least one of the following areas (including the Pre-requisite Certification): Complete Dentures Partial Dentures, Crown & Bridge, Ceramics, and/or Orthodontics www.nbccert.org.

Each NBC Certification in Dental Laboratory is equal to three Career-Related credits.

Dental Laboratory Technician Pathway					
509 CIP#	Classification of Instructional Programs (CIP) Name	Skill Level	Credits	Standard	End of Pathway Assessment
51.060321	Dental Laboratory Technology/Technician I	Foundational Skills	Minimum of 2	Air Force Dental Laboratory Technology Manuals from the National Association of Dental Laboratories www.nadl.org <i>Volume:1 Basic Sciences, Removable Prosthodontics</i> <i>Volume II: Fixed and Special Prosthodontics</i> <i>Volume III: Fixed and Special Prosthodontic/Orthodontic Appliances</i>	Dental Laboratory Technology (Test Code 1417) Job Ready Written Assessment from the National Occupational Competency Testing Institute (NOCTI) www.nocti.org
51.060322	Dental Laboratory Technology/Technician II	Intermediate Skills	Minimum of 2		
51.060323	Dental Laboratory Technology/Technician III	Employment-entry Skills, Cooperative Employment Opportunities, and Exam Preparation	Minimum of 2		

Delaware Department of Education (DE DOE)
Skilled and Technical Sciences Standards for
EMT-B, CPT, & EKG Technician

(Emergency Medical Technician-Basic, Certified Phlebotomy Technician, and Electrocardiogram Technician)

Additional Teacher Requirements: Work experience and education that meets DE DOE certification requirements for Skilled and Technical Sciences Teacher <http://regulations.delaware.gov/AdminCode/title14/1500> plus:

Pre-requisite Experience:

1. Prospective teachers must document that they have spent a minimum of six years of required full-time work experience in this field. Three of those years can be working as a full-time EMT/B and/or EMT-P (Licensed Paramedic). Three of those years must be as a full-time EMT-P.

Pre-requisite Certification:

1. Teacher candidates must be listed with EMT-P Certification on the National Paramedic Registry, which is equal to three Career-Related credits.

EMT-B, CPT, & EKG Technician Pathway					
509 CIP#	Classification of Instructional Programs (CIP) Name	Skill Level	Credits	Standard	End of Pathway Assessment
51.081021	Emergency Care Attendant* I	Foundational Skills	Minimum of 3	First Responder Examination from Delaware Fire School (Level I) AND	National Registry EMT – Basic Examination from the Delaware Fire School www.statefireschool.delaware.gov
51.081022	Emergency Care Attendant* II	Intermediate Skills	Minimum of 3	International Trauma Life Support-Basic Certification from International Trauma Life Support www.itrauma.org (Level II) AND U.S. Department of Transportation, National Highway Traffic Safety Administration EMT-Basic: National Standard Curriculum www.nhtsa.dot.gov/people/injury/ems/pub/emt_bnsc.pdf (All levels)	AND Phlebotomy Certification** and EKG Technician Certification** from the National Healthcareer Association www.nhanow.com
51.081023	Emergency Care Attendant*III	Employment-entry Skills, Cooperative Employment Opportunities, and Exam Preparation	Minimum of 3	www.nhtsa.dot.gov/people/injury/ems/pub/emt_bnsc.pdf (All levels) AND National Healthcareer Association CPT/EKG Study Guide www.nhanow.com (All Levels) AND Senior Clinical Internship (Level III) (minimum of 75 Hours summer or co-op schedule for two marking periods)	AND Clinical Emergency Care, Phlebotomy, and/or EKG Technician Rating(s) from Senior Clinical Internship
	*Delaware Department of Education Designated as EMT-B, CPT, & EKG Technician				**NHA Provisional Certifications accepted.

Delaware Department of Education (DE DOE)
 Skilled and Technical Sciences Standards
 for
Licensed Practical Nurse

Additional Teacher Requirements: Work experience and education that meets DE DOE certification requirements for Skilled and Technical Sciences teacher
<http://regulations.delaware.gov/AdminCode/title14/1500> plus:

Pre-requisite Certification:

1. Current Delaware Registered Nurse License in good standing with the Delaware Division of Professional Regulation's Board of Nursing
<http://dpr.delaware.gov/boards/nursing/index.shtml>.

Pre-requisite Requirement:

1. Professional education and experience that meets Delaware Board of Nursing regulations for an LPN training program <http://dpr.delaware.gov/boards/nursing/index.shtml>.

Licensed Practical Nurse Pathway					
509 CIP#	Classification of Instructional Programs (CIP) Name	Skill Level	Credits	Standard	End of Pathway Assessment
51.161321	Licensed Practical/Vocational Nurse Training I	Foundational Skills	Minimum of 2	Delaware Division of Professional Regulation's Board of Nursing Curriculum Standards and Clinical Standards for Approved Licensed Practical Nursing Programs http://dpr.delaware.gov/boards/nursing/index.shtml .	Delaware Division of Professional Regulation's Board of Nursing NCLEX-PN License Test http://dpr.delaware.gov/boards/nursing/index.shtml .
51.161322	Licensed Practical/Vocational Nurse Training II	Intermediate Skills	Minimum of 2		
51.161323	Licensed Practical/Vocational Nurse Training III	Employment-entry Skills, Cooperative Employment Opportunities, and Exam Preparation	Minimum of 2		

Delaware Department of Education (DE DOE)
 Skilled and Technical Sciences Standards
 for
Medical/Clinical Assistant

Additional Teacher Requirements: Work experience and education that meets DE DOE certification requirements for Skilled and Technical Sciences teacher
<http://regulations.delaware.gov/AdminCode/title14/1500> plus:

Pre-requisite Requirements:

1. Associate's or Bachelor's Degree in Medical Assistant Technology, Clinical Medical Assistant, Medical Technologist or Nursing; AND
2. From the American Association of Medical Assistants www.aama-ntl.org, a current credential as a Certified Medical Assistant; OR
3. A current credential from American Society of Clinical Pathologists or the American Medical Technologists <http://www.amt1.com>, in one of the following certification areas:
 - a. Medical Technologist
 - b. Medical Laboratory Technician; OR
4. A current Delaware Registered Nurse License in good standing with the Delaware Division of Professional Regulation's Board of Nursing
<http://dpr.delaware.gov/boards/nursing/index.shtml>.

Medical/Clinical Assistant Pathway					
509 CIP#	Classification of Instructional Programs (CIP) Name	Skill Level	Credits	Standard	End of Pathway Assessment
51.080121	Medical/Clinical Assistant I	Foundational Skills	Minimum of 2	National Healthcareer Association's Clinical Medical Assistant Exam Content* and Study Guide plus 60 hours supervised clinical experience. www.nhanow.com Craig Brower, Business Development Manager, at 800-499-9092 ext. 241 or cbrower@nhanow.com *Including Administrative Duties	National Healthcareer Association's National Certification Examination for Certified Clinical Medical Assistant www.nhanow.com OR Medical Assisting (Test Code 3055) Job Ready Written Assessment from the National Occupational Competency Testing Institute (NOCTI) www.nocti.org AND Medical Assistant Clinical Rating(s)
51.080122	Medical/Clinical Assistant II	Intermediate Skills	Minimum of 2		
51.080123	Medical/Clinical Assistant III	Employment-entry Skills, Cooperative Employment Opportunities, and Exam Preparation	Minimum of 2		

Delaware Department of Education (DE DOE)
Skilled and Technical Sciences Standards
for
Medical Insurance Certified Coder

Additional Teacher Requirements: Work experience and education that meets DE DOE certification requirements for Skilled and Technical Sciences teacher
<http://regulations.delaware.gov/AdminCode/title14/1500> plus:

Pre-requisite Experience:

1. Minimum of six years full-time experience working as a medical insurance coding specialist for a physician’s office, hospital office, and/or medical insurance office.

Pre-requisite Certification:

1. Certification as a Certified Billing and Coding Specialist (CBCS) from the National Healthcareer Association (NHA) www.nhanow.com OR certification from one or more of the Certification Requirements (below).

Certification Requirements:

1. Certified Professional Coder (CPC), Certified Professional Coder - Hospital (CPC-H), or Certified Professional Coder - Payer (CPC-P) by the American Academy of Professional Coders (AAPC) www.aapc.com; OR
2. Certified Coding Specialist (CCS), Certified Coding Specialist - Physician based (CCS-P), or Certified Coding Associate (CCA) by the American Health Information Management Association (AHIMA) www.ahima.org.

For Delaware STS Teacher Certification, certifications from the Certification Requirements (above) are equal to three Career-Related Credits each up to a maximum of nine credits. The Pre-requisite Certification is equal to one Career-Related Credit.

Medical Insurance Certified Coder Pathway					
509 CIP#	Classification of Instructional Programs (CIP) Name	Skill Level	Credits	Standard	End of Pathway Assessment
51.071321	Medical Insurance Coding Specialist/Coder I	Foundational Skills	Minimum of 2	Program designation as National Healthcareer Association (NHA) Approved Training Program AND NHA Study Guidelines for Certified Billing and Coding Specialist (CBCS) Examination www.nhanow.com	Certified Billing and Coding Specialist (CBCS) Examination from the National Healthcareer Association (NHA) www.nhanow.com
51.071322	Medical Insurance Coding Specialist/Coder II	Intermediate Skills	Minimum of 2		
51.071323	Medical Insurance Coding Specialist/Coder III	Employment-entry Skills, Cooperative Employment Opportunities, and Exam Preparation	Minimum of 2		

Delaware Department of Education (DE DOE)
 Skilled and Technical Sciences Standards
 for
Physical Therapy Health Aide

Additional Teacher Requirements: Work experience and education that meets DE DOE certification requirements for Skilled and Technical Sciences teacher
<http://regulations.delaware.gov/AdminCode/title14/1500> plus:

Pre-requisite Experience:

1. Prospective teachers must document a minimum of the equivalent of three full-time years (of their six years of required work experience) working in a physical therapy facility.

Pre-requisite Certification:

1. Current Delaware Physical Therapist License in good standing with the Delaware Division of Professional Regulation's Board of Physical Therapists and Athletic Trainers
<http://dpr.delaware.gov/boards/physicaltherapy/index.shtml>; OR
2. Current Delaware Physical Therapist Assistant License in good standing with the Delaware Division of Professional Regulation's Board of Physical Therapists and Athletic Trainers
<http://dpr.delaware.gov/boards/physicaltherapy/index.shtml>; OR
3. Current Delaware Athletic Trainer License in good standing with the Delaware Division of Professional Regulation's Board of Physical Therapists and Athletic Trainers
<http://dpr.delaware.gov/boards/physicaltherapy/index.shtml>.

Physical Therapy Health Aide Pathway					
509 CIP#	Classification of Instructional Programs (CIP) Name	Skill Level	Credits	Standard	End of Pathway Assessment
51.269921	Health Aides/Attendants/Orderlies, Other* I	Foundational Skills	Minimum of 2	Basic Physical Therapy Theory and Hands-on Techniques for: 1. Cardiopulmonary System 2. Musculoskeletal System 3. Neurological System 4. Integumentary System 5. DTCC Physical Therapy Basic Techniques Course #PTA 101 AND Clinical Physical Therapy Aide Co-op and/or Clinical Job Shadowing Placement (minimum of 75 Hours summer or co-op schedule for two marking periods)	A Final Exam covering a minimum of Introduction to Physical Therapy Course #PTA 100 curriculum items that must be developed by the H.S. Instructor(s) in cooperation with (and with the approval of) the DTCC PT Department at the nearest campus. AND Physical Therapy Aide Clinical Rating(s)
51.269922	Health Aides/Attendants/Orderlies, Other* II	Intermediate Skills	Minimum of 2		
51.269923	Health Aides/Attendants/Orderlies, Other* III	Employment-entry Skills, Cooperative Employment Opportunities, and Exam Preparation	Minimum of 2		
*Delaware Department of Education Designated as Physical Therapy Health Aide					