



MEDICAL IMAGING

Medical imaging youth apprentices support radiologic health professionals by preparing the room for procedures, providing patient support, assisting with procedures, and maintaining supply inventory.

Length of Apprenticeship: One year

OCCUPATIONAL COMPETENCIES

Youth apprentices must complete a **total of 10** competencies. **Nine** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Safety Notes Regarding Radioactive Substances and Ionizing Radiations

- A. Youth apprentices aged 16 and over can work in workrooms with radioactive substances IF -
1. The radioactive substances present in the air are average concentrations less than 10% of maximum permissible concentrations recommended for occupational exposure.
 2. The ionizing radiation exposure to ionizing radiations is less than 0.5 rem per year.
 3. The radioactive substances are NOT mixtures of phosphorescent material and radium, mesothorium, or other radioactive material, OR incandescent mantles made from fabric and thorium salt solutions.

B. Prohibited to ALL MINORS – Youth apprentices are not allowed in any workroom with exposure to ionizing radiations OR to any mixture of phosphorescent material and radium, mesothorium, or other radioactive material is stored, used, or made OR incandescent mantles made from fabric and thorium salt solutions are processed and packaged.

| Occupational Competencies |
|--|
| <ol style="list-style-type: none">1. Practice infection control and safety2. Wear appropriate personal protective equipment (PPE)3. Provide quality patient care4. Setup diagnostic area5. Assist patients in preparing for the imaging exam6. Apply radiation safety and protection principles (Note: Youth apprentices must not exceed the annual dose limit set by DHS)7. Assist with patient positioning for the imaging procedure8. Clean and restock room after procedure9. Maintain inventory10. Transport client |

POST-SECONDARY PATHWAY OPPORTUNITIES

There are several post-secondary pathway opportunities in this area. The following is a partial list.

- Diagnostic Medical Sonography
- Radiography Technician



Medical Imaging

Youth Apprenticeship

ON-THE-JOB LEARNING PERFORMANCE STANDARDS GUIDE

YOUTH APPRENTICE INFORMATION

| | |
|------------------------------|------------------------------------|
| Youth Apprentice Name | |
| YA Coordinator | YA Consortium |
| School District | High School Graduation Date |

REQUIREMENTS

Level One Requirements

Youth apprentices must complete ALL the items listed below. Check completed areas.

- Competency checklist
- Employability Skills checklist (in this OJL Guide) or the DPI Employability Skills Certificate
- Related instruction equal to 1 high school credit or at least 3 college credits
- Career Preparation section (one of the three options; upload certificate if applicable)
- Minimum of 450 work hours

HOURS

Record the hours the youth apprentice worked.

| Total Hours Employed | Company Name | Telephone Number |
|----------------------|--------------|------------------|
| | | |
| | | |
| | | |
| | | |

RELATED INSTRUCTION

YEAR 1: Indicate which related instruction courses the youth apprentice completed. Check Dual Credit box if the youth apprentice is using the course to meet Career Preparation requirement.

| Dual Credit | Course Number and Title | Credits | Instruction Provider |
|--------------------------|-------------------------|---------|----------------------|
| <input type="checkbox"/> | | | |
| <input type="checkbox"/> | | | |
| <input type="checkbox"/> | | | |
| <input type="checkbox"/> | | | |

CAREER PREPARATION

Youth apprentices must complete **one of the following options during each year** of Youth Apprenticeship participation and it must be relevant to the Occupational Competencies on the checklist:

1. Student is participating in a local or regional career pathway*.

Identify the pathway below:

For more information contact the [Wisconsin Department of Public Instruction](#). Additional help may be found on the WI DPI [Wisconsin Pathways – Regional Career Pathways](#) and [DPI Career Clusters and Pathways](#) web pages.

***Local and Regional career pathways** as defined by the WI DPI means that a student is participating in or has completed at least one CTE class in a cluster pathway sequence and has completed at least one of the other career pathway components: instructional related course, work-based learning, dual college credit, and/or career and technical student organization.

2. Student has completed one of the following certificates during their YA program or possess current certification earned previously. The certificate earned must be occupationally relevant and YA certificates are excluded.

A copy of the certificate must be uploaded with the completed checklist. Select the certificate from the list below.

- American Heart Association Basic Life Support (BLS) Certification
- American Heart Association Bloodborne Pathogens Certification
- Certified Patient Care Technician/Assistant (CPCT/A)
- First Aid/CPR
- Other certificates identified by the [Career and Technical Education \(CTE\) Approved Certifications List](#)

Title of Certification:

3. Student is participating in a [Dual Enrollment Course](#) connected to any postsecondary education provider including UW System, Wisconsin Association of Independent Colleges and Universities (WAICU), and any of the 16 Wisconsin Technical Colleges (WTCS).

For more information on Dual Enrollment opportunities, please contact one of the resources below:

- [WTCS](#)
- [WAICU](#)
- UW System – connect with the college of choice.

SIGNATURES

The On-the-Job Learning Performance Standards Guide includes a list of competencies youth apprentices learn through mentoring and training at the worksite.

Instructions for the Worksite Employers/Mentors and School-Based or YA coordinators: This document should be reviewed with the employer/mentor, school-based or YA coordinator on a regular basis with the youth apprentice to record progress and plan future steps to ensure completion of the required competencies. Mentors, school-based/YA coordinator, and the apprentice sign below.

| | |
|--|--|
| Employer/Mentor Signature | Employer/Mentor Signature |
| Employer/Mentor | Employer/Mentor |
| Business/Company | Business/Company |
| Date Signed | Date Signed |
| | |
| School-Based and/or YA Coordinator Signature | School-Based and/or YA Coordinator Signature |
| School-Based and/or YA Coordinator | School-Based and/or YA Coordinator |
| School District or Organization | School District or Organization |
| Date Signed | Date Signed |
| | |
| Youth Apprentice Signature | Youth Apprentice Signature |
| Youth Apprentice | Youth Apprentice |
| School District / High School | School District / High School |
| Date Signed | Date Signed |

EMPLOYABILITY SKILLS

Youth apprentices must demonstrate key employability skills.

The DWD YA program employability skills requirement may be attained and demonstrated through two processes. (See options listed below.) Employability skills must be completed for every year a student is in the program. The DPI Employability Skills Certificate may be counted as meeting one of those two years, provided the certificate is earned in the same year the student is enrolled in youth apprenticeship or they can complete the YA Employability Skills in the OJL. The Employability Skills Certificate must be obtained through the DPI.

1. If a student has successfully completed a Wisconsin Department of Public Instruction (DPI) State-Certified Cooperative Education, [Co-Op Employability Skill certification](#) then they have met the YA Employability Skills requirement for that year. A copy of the student's DPI Co-Op Employability Skill Certificate must be maintained on file with their YA regional consortium.

Earned Wisconsin Employability Skills Certificate (checked if applicable) or,

2. Completed and rated "Employability Skills" through this YA OJL guide as described below.

| | |
|----------|--|
| 3 | <i>Exceeds Expectations:</i> Exceeds entry-level criteria; requires minimal supervision; consistently displays this behavior |
| 2 | <i>Meets Expectations:</i> Meets entry-level criteria; requires some supervision; often displays this behavior |
| 1 | <i>Working to Meet Expectations:</i> Needs improvement; requires much assistance and supervision; rarely displays this behavior |

The following skills are required of all youth apprentices.

| Competency and Rating Criteria | Employability Skills | | | Rating | | |
|---|------------------------------|--------------------------|--------------------------|--------|--|--|
| | Minimum Rating of 2 for EACH | | | | | |
| | Check Rating | | | | | |
| | 1 | 2 | 3 | | | |
| 1. Develops positive work relationships with others. <i>Examples of qualities and habits that the employee might exhibit include . . .</i> <ul style="list-style-type: none"> • Interacts with others with respect and in a non-judgmental manner • Responds to others in an appropriate and non-offensive manner • Helps co-workers and peers accomplish tasks or goals • Applies problem-solving strategies to improve relations with others • When managing others, shows traits such as compassion, listening, coaching, team development, and appreciation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | |

| Employability Skills | Rating | | |
|--|---|--------------------------|--------------------------|
| Competency and Rating Criteria | Minimum Rating of 2 for EACH Check Rating | | |
| | 1 | 2 | 3 |
| <p>2. Communicates effectively with others</p> <p><i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Adjusts the communication approach for the target audience, purpose, and situation to maximize impact • Organizes messages/information in a logical and helpful manner • Speaks clearly and writes legibly • Models behaviors to show active listening • Applies what was read to actual practice • Asks appropriate questions for clarity | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>3. Collaborates with others</p> <p><i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Works effectively in teams with people of diverse backgrounds regardless of sex, race, ethnicity, nationality, sexuality, religion, political views, and abilities • Shares responsibility for collaborative work and decision making • Uses the problem-solving process to work through differences of opinion in a constructive manner to achieve a reasonable compromise • Avoids contributing to an unproductive group conflict • Shares information and carries out responsibilities in a timely manner | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>4. Maintains composure under pressure</p> <p><i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Uses critical thinking to determine the best options or outcomes when faced with a challenging situation • Carries out assigned duties while under pressure • Acts in a respectful, professional, and non-offensive manner while under pressure • Applies stress management techniques to cope under pressure | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>5. Demonstrates integrity</p> <p><i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Carries out responsibilities in an ethical, legal and confidential manner • Responds to situations in a timely manner • Takes personal responsibility to correct problems • Models behaviors that demonstrate self-discipline, reliability, and dependability | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Employability Skills | Rating | | |
|--|---|--------------------------|--------------------------|
| Competency and Rating Criteria | Minimum Rating of 2 for EACH Check Rating | | |
| | 1 | 2 | 3 |
| <p>6. Performs quality work <i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Carries out written and verbal directions accurately • Completes work efficiently and effectively • Performs calculations accurately • Conserves resources, supplies, and materials to minimize costs and environmental impact • Uses equipment, technology, and work strategies to improve workflow • Applies problem-solving strategies to improve productivity • Adheres to worksite regulations and practices • Maintains an organized work area | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>7. Provides quality goods or services (internal and external) <i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Shows support for the organizational goals and principles by own personal actions • Displays a respectful and professional image to customers • Displays an enthusiastic attitude and desire to take care of customer needs • Seeks out ways to increase customer satisfaction • Produces goods to workplace specifications | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>8. Shows initiative and self-direction <i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Prioritizes and carries out responsibilities without being told • Responds with enthusiasm and flexibility to handle tasks that need immediate attention • Reflects on any unsatisfactory outcome as an opportunity to learn • Improves personal performance by doing something different or differently • Analyzes how own actions impact the overall organization • Supports own action with sound reasoning and principles • Balances personal activities to minimize interference with work responsibilities | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Employability Skills | Rating | | |
|---|---|--------------------------|--------------------------|
| Competency and Rating Criteria | Minimum Rating of 2 for EACH Check Rating | | |
| | 1 | 2 | 3 |
| <p>9. Adapts to change <i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Shows flexibility and willingness to learn new skills for various job roles • Uses problem-solving and critical-thinking skills to cope with changing circumstances • Modifies own work behavior based on feedback, unsatisfactory outcomes, efficiency, and effectiveness • Displays a "can do" attitude | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>10. Demonstrates safety and security regulations and practices <i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Follows personal safety requirements • Maintains a safe work environment • Demonstrates professional role in an emergency • Follows security procedures • Maintains confidentiality | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>11. Applies job-related technology, information, and media <i>Examples of qualities and habits that the employee might exhibit include . . .</i></p> <ul style="list-style-type: none"> • Applies technology effectively in the workplace • Assesses and evaluates information on the job • Assesses training manuals, website, and other media related to the job | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>12. Fulfills training or certification requirements for employment <i>Examples of this requirement may include . . .</i></p> <ul style="list-style-type: none"> • Participation in required career-related training and/or educational programs • Passing certification tests to qualify for licensure and/or certification • Participation in company training or orientation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>13. Sets personal goals for improvement <i>Examples of this requirement may include . . .</i></p> <ul style="list-style-type: none"> • Setting goals that are specific and measurable • Setting work-related goals that align with the organization's mission • Identifying strategies to reach goals • Reflecting on goal progress to regularly evaluate and modify goals | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

OCCUPATIONAL COMPETENCIES

Youth apprentices must complete a **total of 10** competencies. **Nine** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Rating Scale

3: Exceeds entry level criteria | Requires minimal supervision | Consistently displays this behavior

2: Meets entry level criteria | Requires some supervision | Often displays this behavior

1: Needs improvement | Requires much assistance and supervision | Rarely displays this behavior

| Occupational Competencies | Rating | | |
|---|---|--------------------------|--------------------------|
| | Minimum Rating of 2 for EACH Check Rating | | |
| | 1 | 2 | 3 |
| 1. Practice infection control and safety <ul style="list-style-type: none"> maintain a clean work environment clean up spills follow sanitation procedures handle chemicals safely perform handwashing review MRI safety areas in the department and protocols for access | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Wear appropriate personal protective equipment (PPE) <ul style="list-style-type: none"> don and remove masks don and remove gloves change PPE as needed per patient | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Provide quality patient care <ul style="list-style-type: none"> introduce self to patient verify patient and procedure assist to explain exam and procedure escort patient to prep area provide for patient modesty and comfort communicate with patients in a professional manner protect confidentiality of health information obtain patient history | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Setup diagnostic area <ul style="list-style-type: none"> verify procedure to be performed gather appropriate equipment and supplies ensure the cleanliness of the procedure equipment and area/room arrange the equipment and supplies in proper order or location | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Occupational Competencies | Rating | | |
|---|---|--------------------------|--------------------------|
| Competency and Rating Criteria | Minimum Rating of 2 for EACH Check Rating | | |
| | 1 | 2 | 3 |
| 5. Assist patients in preparing for the imaging exam <ul style="list-style-type: none"> • verify patient identity • provide privacy for patient • assess patient's ability to dress and undress • safeguard the clothing and other belongings of the patient • safely dress or undress a patient needing partial or total assistance • assure that the clothing worn by the patient does not interfere with the imaging procedure | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Apply radiation safety and protection principles (Note: Youth apprentices must not exceed the annual dose limit set by DHS) <ol style="list-style-type: none"> 7. protect self and others (stand behind the control panel, wear lead apron during mobile and fluoroscopy) 8. wear and read personal dosimeter monthly 9. practice the cardinal principles of radiation protection: time, distance, and shielding 10. do not hold patients or the image receptor during exposure | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Assist with patient positioning for the imaging procedure <ul style="list-style-type: none"> • provide privacy for the patient as needed • assist the worksite professional in describing to the patient the equipment and/or supplies that will be used during the procedure • select the correct equipment and supplies • assist with the imaging procedure • review imaging results with a worksite professional for follow up | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Clean and restock room after procedure <ul style="list-style-type: none"> • gather the equipment and supplies • clean equipment and area/room according to protocol • dispose of contaminated materials as required • return re-usable supplies to proper locations • replenish room supplies | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. Maintain inventory <ul style="list-style-type: none"> • keep all assigned items and areas stocked with supplies • organize/clean storage areas • monitor inventory to ensure availability of required items • open and date items | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Occupational Competencies | Rating | | |
|--|---|--------------------------|--------------------------|
| Competency and Rating Criteria | Minimum Rating of 2 for EACH Check Rating | | |
| | 1 | 2 | 3 |
| 14. Transport client <ul style="list-style-type: none"> • secure assistance, if needed, before preparing client for transporting • transport clients by wheelchair and cart noting client safety and proper body mechanics • utilize standard procedure for transportation of IV and oxygen and other related equipment • follow department/facility guidelines for entering an elevator, corridor or ramp • remain alert to client condition and responses during transport • remain with client until other staff take over responsibility for the client • report/record client condition, reactions, and transport as required | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Competency Substitute (if you replaced a competency above, note the competency and rating) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments: | | | |



Post-Program Completion Survey

Youth Apprenticeship

YA POST-PROGRAM COMPLETION SURVEY: EMPLOYER FEEDBACK

Employers complete the following information. YA Coordinators will enter this into the Post-Program Completion Survey.

| YA Employer Post-Program Completion Questions | |
|--|--|
| Will you offer or have you offered the Youth Apprentice a continuing position with your company? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| If continuing position offered to youth apprentice, did they accept? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| If yes, please answer the questions below: | |
| Was the offer for full time or part time work? | <input type="checkbox"/> Full-time <input type="checkbox"/> Part-time |
| Title of the position offered: | |
| What is the wage of the continuing employment offer? | |
| If applicable, will the youth apprentice advance to a Registered Apprenticeship? | |

YA POST-PROGRAM COMPLETION SURVEY

The [Post-Program Completion Survey](#) form is to be provided to each student completing the Youth Apprenticeship program to capture information on the student's plans after leaving the program. This **form should be completed by the Youth Apprenticeship Coordinator** to capture information from the Youth Apprentice and the Employer after successful completion of the Youth Apprenticeship Program.

The form should be completed during the final meeting between the student, mentor, and Youth Apprenticeship Coordinator, when the final checklist or On-the-Job Learning (OJL) Guide is filled out and signed. Information captured on this form must be entered online using the Youth Apprenticeship Online Data Application (YODA) System.

DWD is an equal opportunity employer and service provider. If you have a disability and need assistance with this information, please dial 7-1-1 for Wisconsin Relay Service. Please contact the Division of Employment and Training at 888-258-9966 and press 6 to request information in an alternate format, including translated to another language.

