

# OCtech Program Student Learning Outcomes

## **Name of Program: Certificate, Pre-Dental Hygiene Certificate**

### **Program Student Learning Outcomes:**

- Create and comprehend written communications.
- Listen for understanding and express view orally.
- Use a variety of critical thinking skills to evaluate and solve problems.
- Practice research skills necessary to locate, analyze, and synthesize information.
- Understand contemporary social values and develop pan appreciation for cultural diversity.
- Apply knowledge to major concepts of the scientific disciplines with relation to practical life situations.

## **Name of Program: Certificate, Pre-Health Information Management**

### **Program Student Learning Outcomes:**

- Create and comprehend written communications.
- Listen for understanding and express view orally.
- Use a variety of critical thinking skills to evaluate and solve problems.
- Practice research skills necessary to locate, analyze, and synthesize information.
- Understand contemporary social values and develop pan appreciation for cultural diversity.
- Apply knowledge to major concepts of the scientific disciplines with relation to practical life situations.

## **Name of Program: Certificate, Pre-Occupational Therapy Assistant**

### **Program Student Learning Outcomes:**

- Create and comprehend written communications.
- Listen for understanding and express view orally.
- Use a variety of critical thinking skills to evaluate and solve problems.
- Practice research skills necessary to locate, analyze, and synthesize information.
- Understand contemporary social values and develop pan appreciation for cultural diversity.

# OCtech Program Student Learning Outcomes

- Apply knowledge to major concepts of the scientific disciplines with relation to practical life situations.

## **Name of Program: Certificate, General Studies (USMC)**

### **Program Student Learning Outcomes:**

- Create and comprehend written communications.
- Practice research skills necessary to locate, analyze, and synthesize information.
- Understand contemporary social values and develop an appreciation for cultural diversity.

## **Name of Program: Certificate, Sustainable Agriculture**

### **Program Student Learning Outcomes:**

- Students will demonstrate knowledge on how to increase farm profits through lowering input costs.
- Students will demonstrate methods to improve soil quality.
- Students will demonstrate environmental conservation methods.
- Students will demonstrate proficiency in implementing Integrated Pest Management methods.
- Students will demonstrate an understanding of profitable marketing of agricultural commodities.
- Students will use a variety of skills to evaluate the diversity of an agricultural operation.

## **Name of Program: Associate Degree, Accounting and Related Certificates**

### **Program Student Learning Outcomes:**

- Demonstrate knowledge of basic accounting processes.
- Prepare a general ledger.
- Reconcile accounts.
- Prepare manual/computerized financial statements.

# OCtech Program Student Learning Outcomes

- Prepare federal and state forms.
- Use cost accounting techniques.
- Analyze financial statements.
- Demonstrate knowledge of accounting tools.
- Use computer skills to demonstrate accounting principles.
- Develop/use business communication skills.
- Demonstrate professionalism.

## **Name of Program: Associate Degree, Administrative Office Technology and Related Diploma**

### **Program Student Learning Outcomes:**

- Perform basic office/receptionist functions.
- Use computer skills.
- Demonstrate professional attributes (soft skills).
- Develop interpersonal skills.
- Demonstrate pre-employment skills.

## **Name of Program: Associate Degree, General Business and Related Certificates**

### **Program Student Learning Outcomes:**

- Develop management skills.
- Demonstrate introductory marketing skills.
- Practice accounting skills.
- Develop personal finance skills.
- Develop computer skills.
- Demonstrate leadership skills.
- Develop professionalism.
- Communicate effectively.
- Develop teamwork skills.
- Demonstrate introductory business law concepts.

# OCtech Program Student Learning Outcomes

## **Name of Program: Certificate, Entrepreneurship**

### **Program Student Learning Outcomes:**

- Develop a business plan.
- Employ business terms and tactics within the small business environment.
- Develop a marketing plan.
- Analyze resolve problems involving finance.
- Demonstrate personal qualities needed to function effectively with individuals in supervision, evaluation, and control.
- Demonstrate knowledge of current legal issues involved in starting and operating a business.
- Develop effective communication to administer policy both internally and externally.

## **Name of Program: Certificate, Logistics**

### **Program Student Learning Outcomes:**

- Demonstrate the ability to supervise a warehouse operation.
- Demonstrate the ability to operate and maintain equipment commonly found in warehousing.
- Demonstrate an understanding of customer order requirements.
- Communicate effectively.

## **Name of Program: Associate Degree, Early Care and Education and Related Certificates**

### **Program Student Learning Outcomes:**

- Create environments that are healthy, respectful, supportive, and challenging for each child.
- Create respectful, reciprocal relationships that support and empower families, and involve all families in their children's development and learning.
- Use systematic observations, documentation, and other effective assessment strategies in a responsible way, in partnership with families and other professionals, to positively influence the development of every child.

# OCtech Program Student Learning Outcomes

- Use a wide array of developmentally appropriate approaches, instructional strategies, and tools to connect with children and families and positively influence each child's development and learning.
- Use their own knowledge and other resources to design, implement, and evaluate meaningful, challenging curriculum that promotes comprehensive developmental and learning outcomes for every young child.
- Use ethical guidelines and other professional standard related to early childhood practice to advocate for sound educational practices and policies.
- Demonstrate self-assessment and self-advocacy.
- Master and apply foundational concepts from general education.
- Use written and verbal skills.
- Make connections between prior knowledge/experience and new learning.
- Organize written papers in APA style and use only credible early childhood journals.

## **Name of Program: Associate Degree, Criminal Justice and Related Certificates**

### **Program Student Learning Outcomes:**

- Demonstrate professionalism when performing public relations tasks.
- Use judgment and decision making skills based on available knowledge to analyze and resolve problems that may arise on a daily basis.
- Apply basic theory/skills of police patrol when faced with the day-to-day challenges of the criminal justice profession.
- Demonstrate knowledge of investigative skills by identifying and using the proper techniques to ensure a thorough investigation is completed.
- Demonstrate knowledge of court rules and procedures as they relate to all participants of the courtroom workgroup (judges, lawyers, officers, defendants, victims, etc.).
- Demonstrate knowledge of the rules and procedures associated with correctional facilities and detention centers with an emphasis on the rights of inmates and safety issues (with regard to the public, employees, and inmates).
- Demonstrate knowledge of the rules and procedures associated with juvenile proceedings and the role of all parties involved (child, parents, judges, lawyers, experts, social workers, etc.)
- Demonstrate knowledge of the duties and roles probation and parole officers have within the criminal justice system.
- Demonstrate an understanding of the security officer's role within the criminal justice system versus that of a police officer.

# OCtech Program Student Learning Outcomes

- Demonstrate knowledge of victims' rights and the variety of referral systems available to offer support to victims of crime.
- Demonstrate effective oral and written communication skills in conjunction with active listening skills.

## **Name of Program: Associate Degree, Paralegal/Legal Assistant**

### **Program Student Learning Outcomes:**

- Demonstrate investigation skills to ensure relevant information is obtained to help with the progression of a legal case.
- Produce documents that are essential to the inner workings of any law office.
- Demonstrate knowledge of the importance of handling legal documents.
- Conduct legal research using correct legal terminology.
- Prepare for trial through file organization and use of notebooks.
- Perform administrative duties as they relate to maintaining files and communicating with clients.
- Learn and demonstrate communication skills.
- Demonstrate organizational skills.
- Demonstrate ethical behavior and practices.
- Use computer skills for professional practices.
- Practice professional skills.
- Demonstrate understanding in the fields of law.

## **Name of Program: Associate Degree, Computer Technology – Information Technology and Related Certificates**

### **Program Student Learning Outcomes:**

- Demonstrate core IT competency in client computing and support.
- Demonstrate core IT competency in networking and convergence.
- Demonstrate core IT competency in servers, storage and virtualization.
- Function effectively as a member of a team to accomplish common goals.
- Read and interpret technical information, as well as listen effectively to, communicate orally with, and write clearly for a wide range of audiences.
- Engage in continuous learning and research and assess new ideas and information for lifelong learning.
- Exhibit professional, legal, and ethical behavior.

# OCtech Program Student Learning Outcomes

## **Name of Program: Associate Degree, Computer Technology – PC Support Specialist and Related Certificates**

### **Program Student Learning Outcomes:**

- Demonstrate core competency in client computing and user support.
- Demonstrate core IT competency in database and information management.
- Function effectively as a member of a team to accomplish common goals.
- Demonstrate effective communication skills within a team environment and with clients.
- Demonstrate continuous learning and research techniques in solving problems
- Demonstrate the usage of professional, legal, and ethical behavior.

## **Name of Program: Associate Degree, Computer Technology – Programming and Related Certificates**

### **Program Student Learning Outcomes:**

- Demonstrate core IT competency in client computing and user support in programming.
- Demonstrate core database and information management techniques.
- Demonstrate core competency in programming and application development techniques.
- Demonstrate teamwork skills on the project with other students.
- Demonstrate effective communication skills.
- Display the importance of research and continual learning.
- Demonstrate professional, legal and ethical behavior while completing projects.

## **Name of Program: Certificate, Computer Network Specialist**

### **Program Student Learning Outcomes:**

- Demonstrate basic network troubleshooting skills.

# OCtech Program Student Learning Outcomes

- Demonstrate being knowledgeable of various networking protocols.
- Demonstrate knowledge of different networking models and topology.
- Demonstrate knowledge of network security in different scenarios.

## **Name of Program: Certificate, Database**

### **Program Student Learning Outcomes:**

- Demonstrate knowledge of key database design techniques.
- Demonstrate the capability to handle large data sets.
- Demonstrate knowledge of core database administration skills.
- Demonstrate core competency in performing database queries.

## **Name of Program: Certificate, Webmaster**

### **Program Student Learning Outcomes:**

- Demonstrate core competency in graphical design.
- Demonstrate core competency in communication skills of graphical design process.

## **Name of Program: Associate Degree, Electronics Engineering Technology (Computer Electronics)**

### **Program Student Learning Outcomes:**

- Demonstrate a working knowledge of programmable logic controllers.
- Calibrate electronic/pneumatic instrumentation.
- Use calibration instruments.
- Demonstrate basic working knowledge of electrical control circuits and motors.
- Practice safety.
- Exhibit professionalism.
- Communicate professionally and effectively.
- Use computer skills to perform/control industry related tasks.
- Demonstrate teamwork skills.



# OCtech Program Student Learning Outcomes

## **Name of Program: Associate Degree, Electronics Engineering Technology (Electronic Instrumentation) and Related Certificates**

### **Program Student Learning Outcomes:**

- Apply the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities.
- Apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge.
- Conduct standard tests and measurements, and conduct, analyze, and interpret experiments.
- Function effectively as a member of a technical team.
- Identify, analyze, and solve narrowly defined engineering technology problems.
- Apply written, oral, and graphical communication in both technical and non-technical environments; identify and use appropriate technical literature.
- Demonstrate an understanding of the need for an ability to engage in self-directed continuing professional development.
- Demonstrate an understanding of a commitment to address professional and ethical responsibilities, including a respect for diversity.
- Exhibit a commitment to quality, timeliness, and continuous improvement.

## **Name of Program: Associate Degree, Automotive Technology and Related Certificates**

### **Program Student Learning Outcomes:**

- Diagnose and repair engine problems using industry standard equipment.
- Evaluate automatic transmission condition.
- Perform manual drivetrain diagnosis and repair.
- Diagnose and repair suspension and steering problems and take appropriate action.
- Diagnose and repair brake systems.
- Diagnose and repair electrical/electronic systems.
- Diagnose and repair heating and air conditioning systems.
- Diagnose and repair engine performance systems.
- Follow governmental and employer rules and regulations.
- Develop and use positive working relationships.
- Follow written instructions.

# OCtech Program Student Learning Outcomes

## **Name of Program: Certificate, Basic Diesel Maintenance**

### **Program Student Learning Outcomes:**

- Maintain diesel engines (NATEF Accreditation General Category I).
- Service diesel engines (NATEF Accreditation General Category I).
- Service drive train systems (NATEF Accreditation General Category II).
- Repair electrical systems (NATEF Accreditation General Category V).
- Follow environmental regulations (NATEF Accreditation Electrical/Electronic Category V)
- Demonstrate professional behavior.

## **Name of Program: Associate Degree, Industrial Electronics Technology and Related Certificates**

### **Program Student Learning Outcomes:**

- Practice industrial safety.
- Practice professionalism.
- Communicate professionally and effectively.
- Interpret schematics.
- Read, interpret, and operate test equipment.
- Troubleshoot and repair electronic equipment and systems.
- Calibrate equipment.
- Operate computers (microprocessors, programmable controllers).
- Apply motion control theory.
- Demonstrate knowledge of electrical wiring regulations and practices.

## **Name of Program: Associate Degree, Machine Tool Technology and Related Certificates**

### **Program Student Learning Outcomes:**

- Use technical math to solve machine shop problems.
- Set-up and operate machine shop equipment.
- Perform tooling procedures.

# OCtech Program Student Learning Outcomes

- Build basic dies, jigs, and fixtures.
- Read and draw blueprints.
- Practice safety.
- Exhibit professionalism.
- Communicate effectively.
- Care for and use precision measuring instruments.
- Use basic welding equipment.
- Perform basic cutter-grinding of metal working tools.
- Perform basic heat-treatment techniques.
- Operate and program numerical machines.
- Demonstrate knowledge of statistical process control.

## **Name of Program: Degree, General Technology, Industrial Maintenance/Industrial Electronics**

### **Program Student Learning Outcomes:**

- Design, construct, and test basic direct current circuits commonly used in maintenance.
- Apply basic industrial skills to complete maintenance tasks.
- Work safely in a team environment while performing industrial maintenance best practices.
- Communicate effectively with others in a professional manner.
- Design, construct, and test digital and alternating current circuits.
- Perform basic programmable logic controller (PLC) programming and interface applications.
- Describe the functions of components in a mechanical system.
- Identify the applications of precision measurements in mechanical systems.
- Identify the applications of preventive maintenance for mechanical and electrical systems.
- Apply the National Electrical Code to maintain and install equipment to meet electrical specifications.
- Optimize automated systems and robotic equipment.
- Apply a systematic approach to troubleshooting mechanical and electrical systems.
- Effectively create written communications.
- Listen for understanding and express views orally.
- Use a variety of critical thinking skills to evaluate and solve problems.
- Have research skills necessary to locate, analyze, and synthesize information.

# OCtech Program Student Learning Outcomes

- Understand contemporary social values.

## **Name of Program: Certificate, Basic Industrial Maintenance**

### **Program Student Learning Outcomes:**

- Design, construct, and test basic direct current circuits commonly used in maintenance.
- Apply basic industrial skills to complete maintenance tasks.
- Work safely in a team environment while performing industrial maintenance best practices.
- Communicate effectively with others in a professional manner.

## **Name of Program: Certificate, Industrial Maintenance: Mechanical and Electrical I**

### **Program Student Learning Outcomes:**

- Design, construct, and test digital and alternating current circuits.
- Perform basic programmable logic controller (PLC) programming and interface applications.
- Describe the functions of components in a mechanical system.
- Identify the applications of precision measurements in mechanical systems.

## **Name of Program: Certificate, Industrial Maintenance: Mechanical and Electrical II**

### **Program Student Learning Outcomes:**

- Identify the applications of preventive maintenance for mechanical and electrical systems.
- Apply the National Electrical Code to maintain and install equipment to meet electrical specifications.

# OCtech Program Student Learning Outcomes

- Optimize automated systems and robotic equipment.
- Apply a systematic approach to troubleshooting mechanical and electrical systems.

## **Name of Program: Associate Degree, General Technology, Engineering Graphics Technology**

### **Program Student Learning Outcomes:**

- Generate drawings to appropriate standards.
- Perform mathematical calculations to produce drawings.
- Demonstrate basic computer components and applications.
- Design to manufacturing specifications.
- Maintain records and documentation.
- Demonstrate professional behavior.
- Generate surveying drawings.
- Perform unit conversion calculations.
- Learn basic computer components and applications.
- Develop oral/written communication.
- Produce Project 1.
- Demonstrate professional behavior.
- Generate closed loop drawings.
- Perform surveying calculations.
- Demonstrate professionalism in both oral and written communications.
- Produce Project 1.
- Demonstrate professional behavior.
- Effectively create written communications.
- Listen for understanding and express views orally.
- Use a variety of critical thinking skills to evaluate and solve problems.
- Have research skills necessary to locate, analyze, and synthesize information.
- Understand contemporary social values.

## **Name of Program: Certificate, Computer Aided Design (CAD) I**

### **Program Student Learning Outcomes:**

- Generate drawings to appropriate standards.

# OCtech Program Student Learning Outcomes

- Perform mathematical calculations to produce drawings.
- Demonstrate basic computer components and applications.
- Design to manufacturing specifications.
- Maintain records and documentation.
- Demonstrate professional behavior.

## **Name of Program: Certificate, Computer Aided Design (CAD) II**

### **Program Student Learning Outcomes:**

- Generate surveying drawings.
- Perform unit conversion calculations.
- Learn basic computer components and applications.
- Develop oral/written communication.
- Produce Project 1.
- Demonstrate professional behavior.

## **Name of Program: Certificate, Computer Aided Design (CAD) III**

### **Program Student Learning Outcomes:**

- Generate closed loop drawings.
- Perform surveying calculations.
- Demonstrate professionalism in both oral and written communications.
- Produce Project 1.
- Demonstrate professional behavior.

## **Name of Program: Degree, General Technology, Mechatronics**

### **Program Student Learning Outcomes:**

- Design, construct, and test basic DC electrical circuits commonly used in Mechatronics.
- Identify and configure process system measurement devices and control applications.
- Demonstrate the fundamentals of assembling hydraulic and pneumatic equipment.
- Work safely in a team environment while performing industrial maintenance best practices.

# OCtech Program Student Learning Outcomes

- Demonstrate professionalism in oral and written communications.
- Design, construct, and test digital, solid state, and AC electrical circuits.
- Perform basic programmable logic controller (PLC) programming and interface applications.
- Utilize a logical sequence for isolating and correcting component level problems commonly found within a Mechatronics process.
- Implement computer-integrated manufacturing (CIM) applications using computer software in an industrial environment.
- Demonstrate professionalism in oral and written communications.
- Monitor and troubleshoot automated systems and processes using a programmable logic controller (PLC).
- Utilize a logical sequence for isolating and correcting system level problems commonly found within a Mechatronics process.
- Optimize automated systems and robotic equipment.
- Inspect, test, and repair hydraulic and pneumatic systems used in industrial machines and processes.
- Demonstrate professionalism in oral and written communications.
- Effectively create written communications.
- Listen for understanding and express views orally.
- Use a variety of critical thinking skills to evaluate and solve problems.
- Have research skills necessary to locate, analyze, and synthesize information.
- Understand contemporary social values.

## **Name of Program: Certificate, Mechatronics I**

### **Program Student Learning Outcomes:**

- Design, construct, and test basic DC electrical circuits commonly used in Mechatronics.
- Identify and configure process system measurement devices and control applications.
- Demonstrate the fundamentals of assembling hydraulic and pneumatic equipment.
- Work safely in a team environment while performing industrial maintenance best practices.
- Demonstrate professionalism in oral and written communications.

# OCtech Program Student Learning Outcomes

## Name of Program: Certificate, Mechatronics II

### Program Student Learning Outcomes:

- Design, construct, and test digital, solid state, and AC electrical circuits.
- Perform basic programmable logic controller (PLC) programming and interface applications.
- Utilize a logical sequence for isolating and correcting component level problems commonly found within a Mechatronics process.
- Implement computer-integrated manufacturing (CIM) applications using computer software in an industrial environment.
- Demonstrate professionalism in oral and written communications.

## Name of Program: Certificate, Mechatronics III

### Program Student Learning Outcomes:

- Monitor and troubleshoot automated systems and processes using a programmable logic controller (PLC).
- Utilize a logical sequence for isolating and correcting system level problems commonly found within a Mechatronics process.
- Optimize automated systems and robotic equipment.
- Inspect, test, and repair hydraulic and pneumatic systems used in industrial machines and processes.
- Demonstrate professionalism in oral and written communications.

## Name of Program: Certificate, Power Plant Technology I

### Program Student Learning Outcomes:

- Design, construct, and test basic DC electrical circuits.
- Identify and configure process system measurement devices and control applications.
- Demonstrate the fundamentals of assembling hydraulic and pneumatic equipment.
- Work safely in a team environment while performing industrial maintenance best practices.
- Demonstrate professionalism in oral and written communications.



# OCtech Program Student Learning Outcomes

## Name of Program: Certificate, Power Plant Technology II

### Program Student Learning Outcomes:

- Design, construct, and test digital, solid state, and AC electrical circuits.
- Perform basic programmable logic controller (PLC) programming and interface applications.
- Identify the applications of precision measurements in mechanical systems.
- Demonstrate professionalism in oral and written communications.

## Name of Program: Certificate, Power Plant Technology III

### Program Student Learning Outcomes:

- Configure, assemble and test AC/DC control circuits and drives.
- Monitor and troubleshoot automated systems and processes using a programmable logic controller (PLC).
- Utilize a logical sequence for isolating and correcting system electronic problems.
- Demonstrate professionalism in oral and written communications.

## Name of Program: Certificate, Production Operator

### Program Student Learning Outcomes:

- Set-up and operate machine shop equipment.
- Perform tooling.
- Read and draw blueprints.
- Practice safety.

## Name of Program: Certificate, Truck Driver Training

### Program Student Learning Outcomes:

- Operate a Commercial Motor Vehicle to federal and state standards.
- Conduct vehicle inspections.
- Maintain Driver Logs.
- Demonstrate professionalism in oral and written communications.

# OCtech Program Student Learning Outcomes

**Name of Program: Associate Degree, General Technology, Welding**

## **Program Student Learning Outcomes:**

- Students should practice general safety considerations that apply to welding and metal cutting. They should also be able to apply practice to avoid job-related deaths and injuries while establishing and maintaining a safe work environment.
- Students will learn how to strike an arc and make stringer, weave, and overlapping beads and make fillet welds in various positions with SMAW process.
- Students will learn to make groove welds in various positions using SMAW process.
- Students can identify, interpret, and draw welding symbols on specifications, drawings, and welding procedure specifications.
- Students should be able to describe welding detail drawings and their components, including lines, fills, solid round and pipe (or tubing) breaks, revolved sections, object views, dimensioning, notes, and bills of materials.
- Students should be able to apply general safety considerations that apply to welding and metal cutting. They should also be able to describe the steps that must be taken to avoid job-related deaths and injuries while establishing and maintaining a safe work environment.
- Students should be able to strike an arc and make stringer, weave, and overlapping beads and make fillet welds in various positions with SMAW.
- Students will make groove welds with backing in the 1G, 2G, 3G, and 4G positions using E6010 and E7018 electrodes.
- Students will identify, interpret, and draw welding symbols on specifications, drawings, and welding procedure specifications.
- Students should be able to describe welding detail drawings and their components, including lines, fills, solid round and pipe (or tubing) breaks, revolved sections, object views, dimensioning, notes, and bills of materials.
- Students should use power sources and equipment utilized in the GMAW and FCAW processes and be able to set up the equipment with the appropriate shielding gases and filler metals.
- Students will learn how to make fillet and/or V-groove welds on carbon steel plate using GMAW and/or FCAW processes in all positions.
- Effectively create written communications.
- Listen for understanding and express views orally.
- Use a variety of critical thinking skills to evaluate and solve problems.
- Have research skills necessary to locate, analyze, and synthesize information.

# OCtech Program Student Learning Outcomes

- Understand contemporary social values.

## **Name of Program: Certificate, Basic Welding**

### **Program Student Learning Outcomes:**

- Students should practice general safety considerations that apply to welding and metal cutting. They should also be able to apply practice to avoid job-related deaths and injuries while establishing and maintaining a safe work environment.
- Students will learn how to strike an arc and make stringer, weave, and overlapping beads and make fillet welds in various positions with SMAW process.
- Students will learn to make groove welds in various positions using SMAW process.

## **Name of Program: Certificate, Welding Fundamentals**

### **Program Student Learning Outcomes:**

- Students can identify, interpret, and draw welding symbols on specifications, drawings, and welding procedure specifications.
- Students should be able to describe welding detail drawings and their components, including lines, fills, solid round and pipe (or tubing) breaks, revolved sections, object views, dimensioning, notes, and bills of materials.
- Students should be able to apply general safety considerations that apply to welding and metal cutting. They should also be able to describe the steps that must be taken to avoid job-related deaths and injuries while establishing and maintaining a safe work environment.
- Students should be able to strike an arc and make stringer, weave, and overlapping beads and make fillet welds in various positions with SMAW.
- Students will make groove welds with backing in the 1G, 2G, 3G, and 4G positions using E6010 and E7018 electrodes.

## **Name of Program: Certificate, Intermediate Welding**

### **Program Student Learning Outcomes:**

# OCtech Program Student Learning Outcomes

- Students will identify, interpret, and draw welding symbols on specifications, drawings, and welding procedure specifications.
- Students should be able to describe welding detail drawings and their components, including lines, fills, solid round and pipe (or tubing) breaks, revolved sections, object views, dimensioning, notes, and bills of materials.
- Students should use power sources and equipment utilized in the GMAW and FCAW processes and be able to set up the equipment with the appropriate shielding gases and filler metals.
- Students will learn how to make fillet and/or V-groove welds on carbon steel plate using GMAW and/or FCAW processes in all positions.

## **Name of Program: Associate Degree, Nursing**

### **Program Student Learning Outcomes:**

- Function as part of the interdisciplinary health care teams selected health care settings with individuals, families and communities across the life span.
- Adhere to the standards of professional nursing practice within the legal, ethical, and regulatory frameworks.
- Provide evidence-based, clinically competent, contemporary care utilizing critical thinking and decision making within the framework of the nursing process.
- Provide holistic nursing care to promote, protect, and improve health.
- Provide culturally competent care to a diverse society.
- Utilize basic management and leadership skills to provide continuity of care to facilitate positive outcomes and meet patient needs.
- Utilize various methods of communication to effectively interact within the health care system.
- Provide health education to promote and facilitate informed decision-making, achieve positive outcomes, and support self-care activities.
- Demonstrate characteristics of self-direction and accountability, which contribute to life-long learning, both personally and within the profession of nursing.

**Spring 2014 ADN Licensure/Certification First-Time Pass Rate: 97.7%**

## **Name of Program: Associate Degree, Physical Therapist Assistant**

### **Program Student Learning Outcomes:**

# OCtech Program Student Learning Outcomes

- Demonstrate competence in the delivery of physical therapy interventions under the direction and supervision of a PT.
- Demonstrate critical thinking skills in classroom, laboratory, and clinical environments.
- Demonstrate professionalism, ethical, and legal behaviors.

## **New Program**

**Fall 2014 PTA Total Program Enrollment: 18**

## **Name of Program: Associate Degree, Radiologic Technology and Related Certificates**

### **Program Student Learning Outcomes:**

- The student will possess problem solving and critical thinking abilities needed to function in the changing healthcare environment.
- The student will demonstrate academic and technical competence as an entry level radiographer.
- The student will communicate effectively in the classroom and clinical setting.
- The student will demonstrate professional attitudes, behavior, and ethics in the clinical and classroom environment, as well as participate in professional development activities.

**Licensure/Certification First-Time Pass Rate: 100%**

## **Name of Program: Associate Degree, Respiratory Care Technology**

### **Program Student Learning Outcomes:**

- The student will demonstrate the cognitive skills needed to function in the profession of Respiratory Care.
- The student will demonstrate the technical skills needed to function in the clinical environment.
- The student will demonstrate professional attitudes, behavior and ethics in the clinical environment.

**Summer 2014 RES Licensure First-Time Pass Rate: 83.3%**

# OCtech Program Student Learning Outcomes

2013-14 RRT-Clinical First-Time Pass Rate: 100%

2013-14 RRT-Written First-Time Pass Rate: 100%

## Name of Program: Certificate, Computed Tomography

### Program Student Learning Outcomes:

- Possess problem solving and critical thinking abilities needed to function in the changing healthcare environment.
- Demonstrate academic and technical competence as an entry level Computed Tomography Technologist.
- Communicate effectively in the classroom and clinical setting.
- Demonstrate professionalism.

## Name of Program: Certificate, Magnetic Resonance Imaging (MRI)

### Program Student Learning Outcomes:

- Demonstrate problem solving and critical thinking abilities needed to function in the changing healthcare environment.
- Demonstrate clinical competence as an entry-level MRI technologist.
- Employ effective communication in a health care environment.
- Demonstrate professionalism.

## Name of Program: Certificate, Mammography

### Program Student Learning Outcomes:

- Demonstrate problem solving and critical thinking abilities needed to function in the changing healthcare environment.
- Demonstrate academic and technical competence as an entry-level Mammographer.
- Communicate effectively in the classroom and clinical setting.
- Demonstrate professionalism.

# OCtech Program Student Learning Outcomes

## **Name of Program: Certificate, Emergency Medical Technician**

### **Program Student Learning Outcomes:**

- Provide basic emergency care required at the scene of a traumatic injury or emergency.
- Demonstrate the skills for basic life-saving techniques and other emergency treatment.
- Work as a professional member of the emergency response team to provide quality, comprehensive care.

**2014 EMT Licensure/Certification First-Time Pass Rate: 100%**

## **Name of Program: Certificate, Nursing Assistant**

### **Program Student Learning Outcomes:**

- Perform duties safely and effectively within the scope of practice as outlined by the requirements of the Nursing Assistant certification.
- Demonstrate academic and technical competence in the role of Certified Nursing Assistant.
- Understand and practice infection control per CDC, OSHA, and facility guidelines.
- Provide safe, competent care for the patient to promote health and wellness.

**2013-14 CNA Licensure/Certification First-Time Pass Rate: 78%**

## **Name of Program: Certificate, Patient Care Technician**

### **Program Student Learning Outcomes:**

- Perform duties safely and effectively within their scope of practice as outlined by the requirement of the Nursing Assistant certification.
- Perform duties safely and effectively within their scope of practice as outlined by the requirements of the Phlebotomy certification.
- Perform duties safely and effectively within their scope of practice as outlined by the requirements of the Electrocardiography certification.
- Understand and practice infection control per CDC, OSHA, and facility guidelines.

# OCtech Program Student Learning Outcomes

- Demonstrate adaptability to a variety of work environments, to include long-term care facilities, hospitals, clinics, and various other organizations.

**2013-14 Certified Nursing Assistant Licensure First-Time Pass Rate: 78%**

**2013-14 Phlebotomy Certification First-Time Pass Rate: 85%**

**2013-14 Electrocardiography Certification First-Time Pass Rate: 80%**

**Name of Program: Diploma, Medical Assisting**

**Program Student Learning Outcomes:**

- Apply legal and ethical concepts within the Medical Assisting scope of practice.
- Display professionalism and communication skills as a healthcare provider.
- Apply best practice administrative, business, and finance techniques with the medical practice.
- Demonstrate competence in the performance of clinical skills for entry-level Medical Assistant.
- Achieve cognitive, psychomotor, and affective domain learning objectives as established by the Medical Assisting Education Review Board (MAERB).
- Pursue professional and nationally-recognized credentialing, post-graduation, by applying to sit for the CMA (AAMA) credential.
- Protect the health of the patient and coworker by carefully following Standard Precautions Guidelines and OSHA mandates.
- Recognize emergency patient conditions and initiate lifesaving first aid and basic life support procedures.
- Incorporate critical thinking skills to provide quality care of patients.

**2013-14 MA Licensure/Certification First-Time Pass Rate: 73%**

**Name of Program: Diploma, Practical Nursing**

**Program Student Learning Outcomes:**

- Demonstrate professional behaviors of accountability and professionalism according to the legal and ethical standards for a competent licensed practical/vocational nurse.
- Effectively communicate with patients, significant support person(s), and members of the interdisciplinary health care team incorporating interpersonal and therapeutic communication skills.
- Collect holistic assessment data from multiple sources, communicate the data to appropriate health care providers, and evaluate client responses to interventions.



# OCtech Program Student Learning Outcomes

- Collaborate with the registered nurse or other members' of the health care team to organize and incorporate assessment data to plan/revise patient care and actions based on established nursing diagnoses, nursing protocols, and assessment and evaluation data.
- Demonstrate a caring and empathic approach to the safe, therapeutic, and individualized care of each client.
- Implement patient care, at the direction of a registered nurse, licensed physician through performance of nursing interventions or directing aspects of care, as appropriate, to unlicensed assistive personnel (UAP).

**2013-14 PN Licensure/Certification First-Time Pass Rate: 100%**