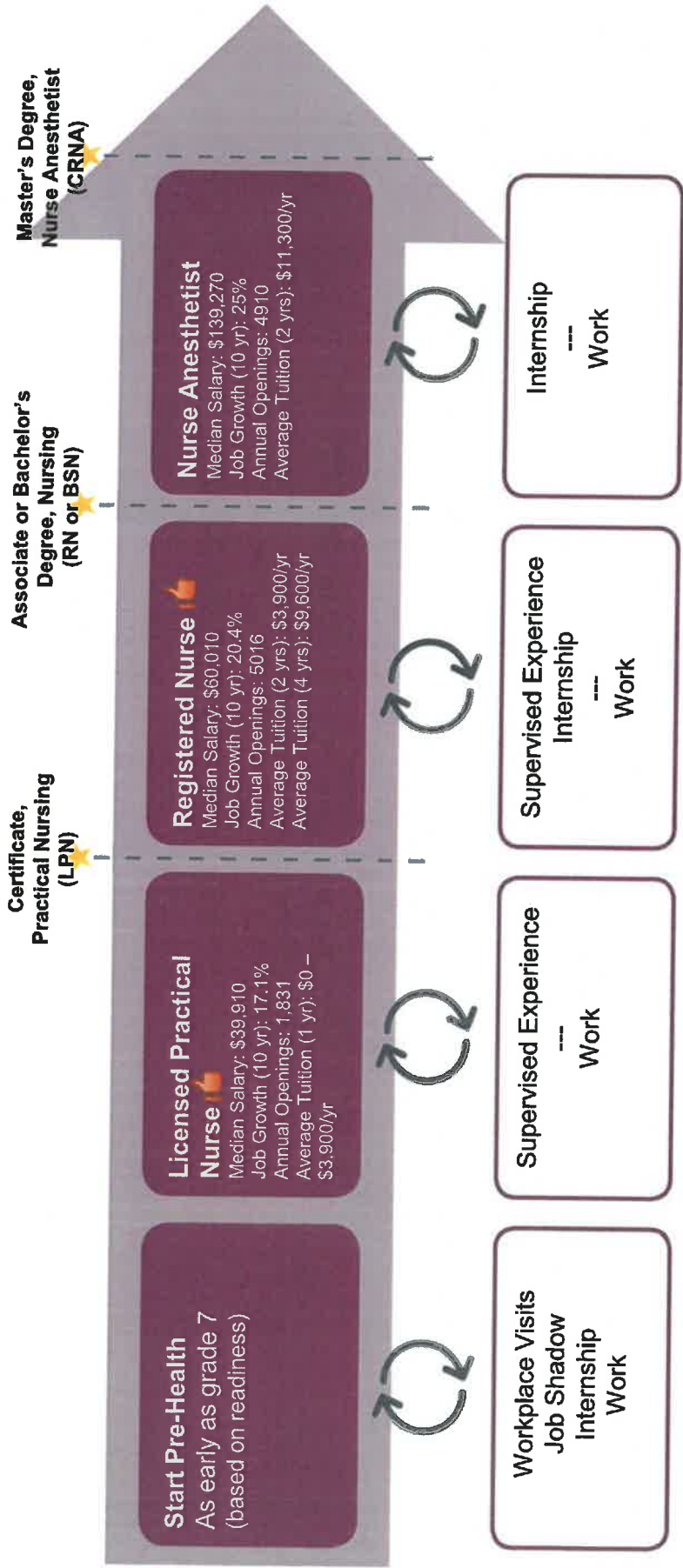




Health Science Career Pathway

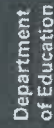


Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.





Health Science Career Pathway

Secondary Pathway: Allied Health and Nursing

Postsecondary Program: Nursing

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Health Science & Technology		
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Principles of Allied Health	Nutrition and Wellness	World Languages
	11	English III	Algebra II	Chemistry	U.S. History	Mental Health	Medical Terminology	World Languages	
	12	English IV	Trigonometry/Calculus	Anatomy & Physiology	U.S. Government	Clinical Laboratory Techniques	Patient Centered Care		
Postsecondary	Year 1 1st Semester	English	College Algebra	College Seminar	Nursing Foundations	Human Growth & Development	Human Anatomy	Patient Care	
	Year 1 2nd Semester	Statistics	Health Maintenance & Restoration I	Pharmacology	Human Physiology	Family & Community Health	Human Pathophysiology	Biochemistry	
	Year 2 1st Semester	Interpersonal Communication	Microbiology	Health Maintenance & Restoration II	Psychiatric & Mental Health Nursing	Psychology			
	Year 2 2nd Semester	Nursing, Leadership, & Management	Humanities Elective	Technical Elective					

High School Career-Technical Education Program Courses

High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

Required Courses

Recommended Electives

Visit education.ohio.gov/CareerConnections for reference information.

Course titles and sequences will vary between schools.

11/2014

Ohio | Department of Education

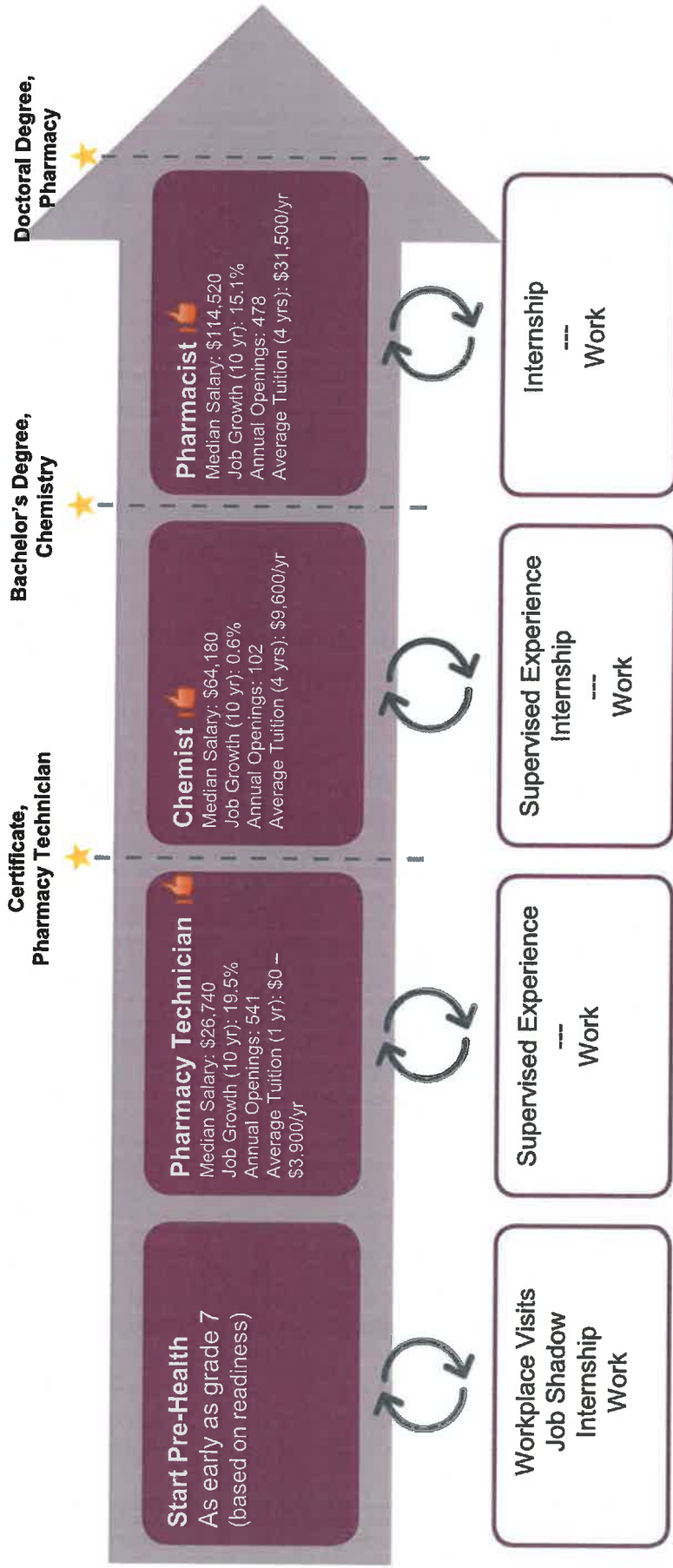
Ohio MEANS Jobs.

Board of Regents
University System of Ohio

Ohio



Health Science Career Pathway

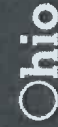


Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.



Board of Regents
University System of Ohio



Health Science Career Pathway

Secondary Pathway: **Medical Bioscience**

Postsecondary Program: **Chemical Technology**

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7	8	9	10	11	12	Physical Science	Social Studies	Fine Arts	Health Science & Technology	Biomedical Engineering	World Languages
	English I	Algebra I	Geometry	Biology	World History	Health (-5) PE (-5)	Principles of Biomedical Technology					
	English II	Algebra II	Chemistry	U.S. History	Human Pathophysiology	World Languages						
	English III	Trigonometry/Calculus	Anatomy & Physiology	U.S. Government	Biochemistry of Health	Genetics of Disease						
	English IV	Statistics I	Chemistry I	Chemical Technology I	Social Science Elective							
Year 1 1st Semester	English Composition	Calculus I	Chemistry II	Chemical Technology II	Bio-Organic Chemistry	Chemical Technology Co-Op I						
Year 1 2nd Semester	Statistics II	Public Speaking	Calculus II	Analytical Chemistry	Biology I							
Year 2 1st Semester	Composition II	Social Science Elective	Calculus III	Instrumental Analysis	Biology II	Chemical Technology Co-Op II						
Year 2 2nd Semester	Capstone											

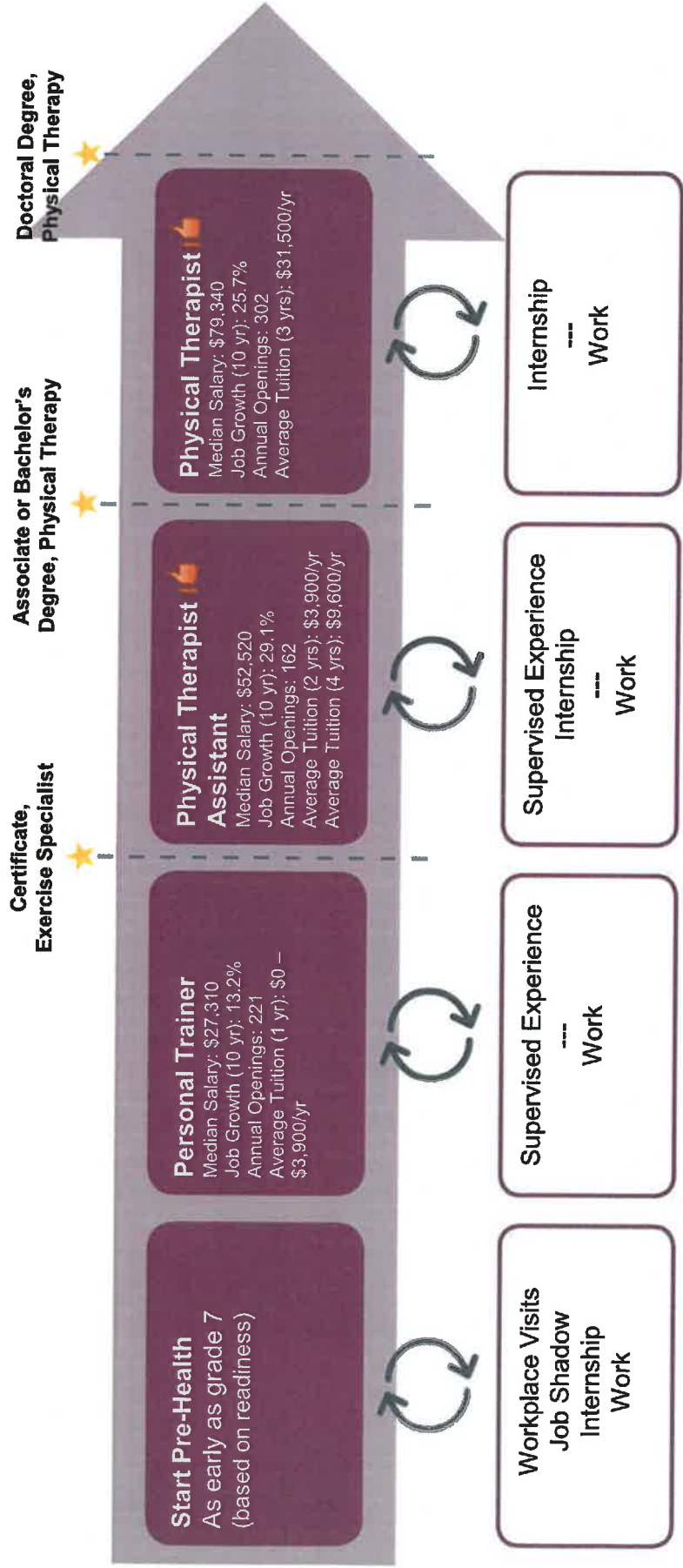
High School Career-Technical Education Program Courses
High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses
Required Courses
Recommended Electives

Visit education.ohio.gov/CareerConnections for reference information.
Course titles and sequences will vary between schools.

11/2014



Health Science Career Pathway



Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.



Department
of Education



Board of Regents
University System of Ohio



Health Science Pathway Model

Secondary Pathway: Exercise Science and Sports Medicine

Postsecondary Program: Physical Therapy Assistant

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7	8	9	10	11	12	Physical Science	Social Studies	Fine Arts	Health Science & Technology	World Languages
	English I	Algebra I	English II	Geometry	English III	English IV	Biology	World History	Health (.5) PE (.5)	Exercise & Athletic Training	Medical Terminology
	English I	Algebra II	English II	Algebra II	U.S. History	Chemistry	Chemistry	U.S. History	Sports Exercise Psychology	Human Anatomy & Physiology	World Languages
	English I	Trigonometry/Calculus	English II	Trigonometry/Calculus	U.S. Government	Anatomy & Physiology	Anatomy & Physiology	U.S. Government	Athletic Inquiries & Prevention	Exercise Physiology & Biochemistry	Nutrition & Wellness
Postsecondary	Year 1 1st Semester	Intro to Physical Therapy	English I	Physical Therapy Procedures I	Medical Terminology	Physical Therapy Procedures I	Physical Therapy Procedures I	Anatomy & Physiology I			
	Year 1 2nd Semester	Rehabilitation I	English II	Physical Therapy Procedures II	Psychology	Physical Therapy Procedures II	Physical Therapy Procedures II	Anatomy & Physiology II	First-Year Capstone		
	Year 2 1st Semester	Rehabilitation II	Calculus	Physical Therapy Procedures III	PT Trends & Issues	Physical Therapy Procedures III	Physical Therapy Procedures III	Directed Practice I	Seminar I		
	Year 2 2nd Semester	PT Special Topics	Human Growth & Development	Directed Practice II & III	Seminar II & III	Directed Practice II & III	Directed Practice II & III				

High School Career-Technical Education Program Courses											
High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses											
Required Courses											
Recommended Electives											

Visit education.ohio.gov/CareerConnections for reference information.

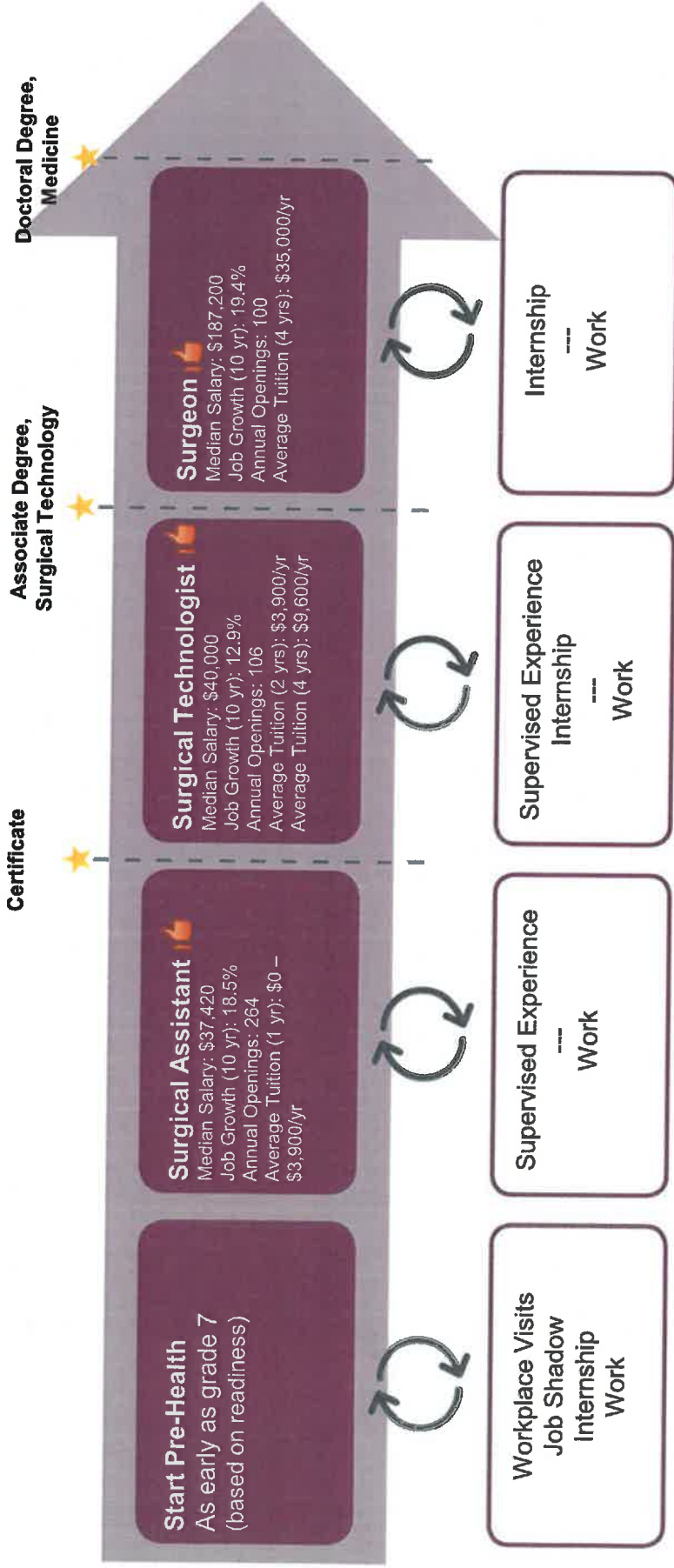
Course titles and sequences will vary between schools.

4/2015





Health Science Career Pathway



Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:

gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.



Health Science Career Pathway

Secondary Pathway: Allied Health and Nursing

Postsecondary Program: Surgery Technology

Courses with Secondary and Post-Secondary Credits

Grade	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Health Science & Technology
7	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Health Science & Technology
8	English II	Geometry	Biology	World History	Health (-5) PE (.5)	Principles of Allied Health
9	English III	Algebra II	Chemistry	U.S. History	Medical Terminology	Human Pathophysiology
10	English IV	Trigonometry/Calculus	Anatomy & Physiology	U.S. Government	Patient Centered Care	Surgical Support
11	English Composition I	Anatomy & Physiology I	Medical Terminology I	Survey of Surgical Technology	Introduction to Pharmacology	Introduction to Surgery
12	Microbiology	Anatomy & Physiology II	General Surgery	Clinical Experience I	Clinical Experience II	Surgery Lab
Year 1 1st Semester	College Algebra	Surgical Specialties	Medical Terminology II	Clinical Experience III		
Year 1 2nd Semester	Interpersonal Communication	Bioethics	Clinical Experience IV			
Year 2 1st Semester						
Year 2 2nd Semester						

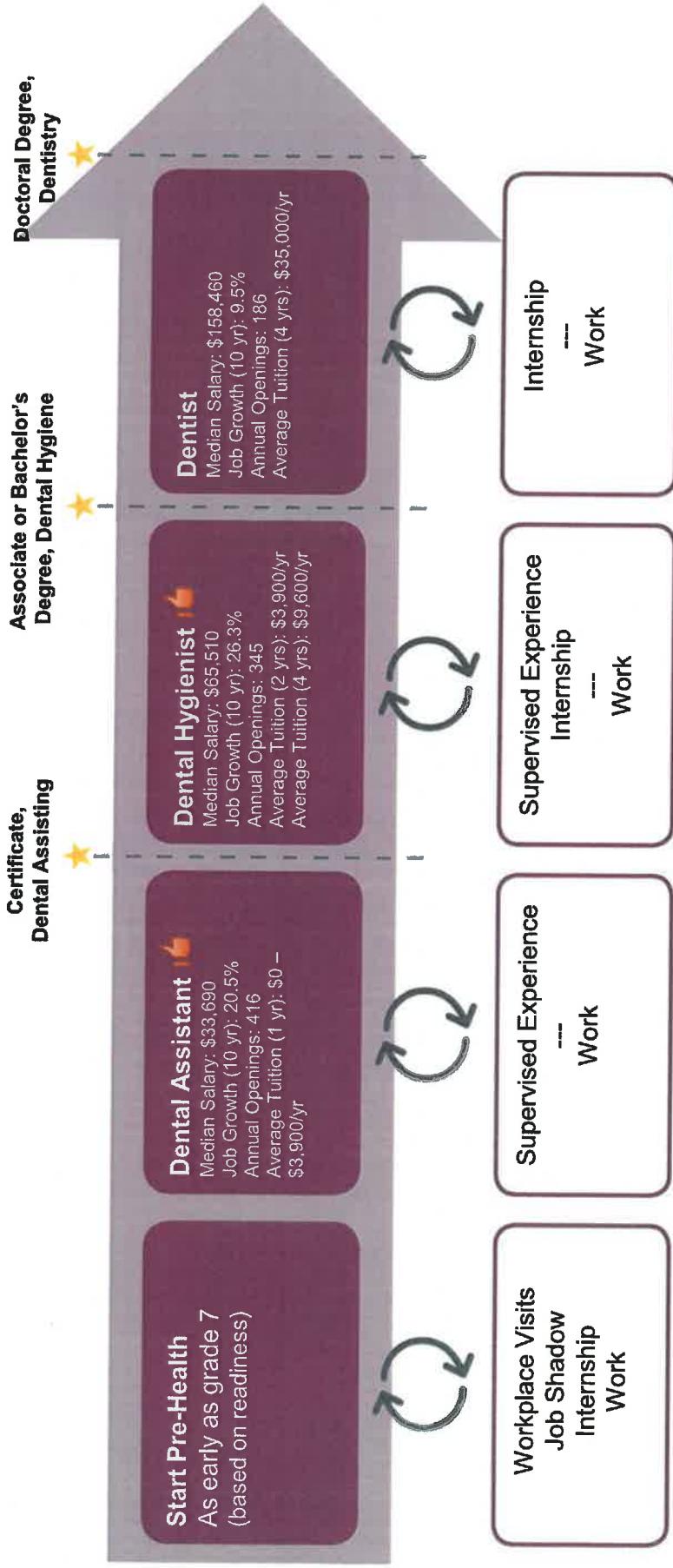
High School Career-Technical Education Program Courses						
High School Courses for Postsecondary Credit (including Apprenticeship Hours) and the Corresponding Postsecondary Courses						
Required Courses						
Recommended Electives						

Visit education.ohio.gov/CareerConnections for reference information.
Course titles and sequences will vary between schools.

11/2014



Health Science Career Pathway



Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.





Health Science Career Pathway

Secondary Pathway: Allied Health and Nursing

Postsecondary Program: Dental Hygiene

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Health Science & Technology	
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Principles of Allied Health	World Languages
	11	English III	Algebra II	Chemistry	U.S. History	Dental Technology	Medical Terminology	World Languages
	12	English IV	Trigonometry/ Calculus	Anatomy & Physiology	U.S. Government	Dental Radiography	Oral Diagnosis & Treatment Planning	
Postsecondary	Year 1 1st Semester	College Seminar	Human Pathophysiology	Dental Anatomy & Physiology	Dental Hygiene Pre-Clinic	Intro to Dental Hygiene	Periodontology I	Preventive Concepts
	Year 1 2nd Semester	English	Intro to Microbiology	Techniques II	Clinic I	Oral Pathology	Periodontology II	Community Health Concepts
	Year 2 1st Semester	Interpersonal Communication	Community Health	Techniques III	Clinic II	Sociology	Pharmacology	Dental Materials
	Year 2 2nd Semester	Oral Communication	College Algebra	Techniques IV	Clinic III	Psychology	Dental Hygiene Case & Concepts	Humanities Elective

High School Career-Technical Education Program Courses

High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

Required Courses

Recommended Electives

Visit education.ohio.gov/CareerConnections for reference information.
Course titles and sequences will vary between schools.

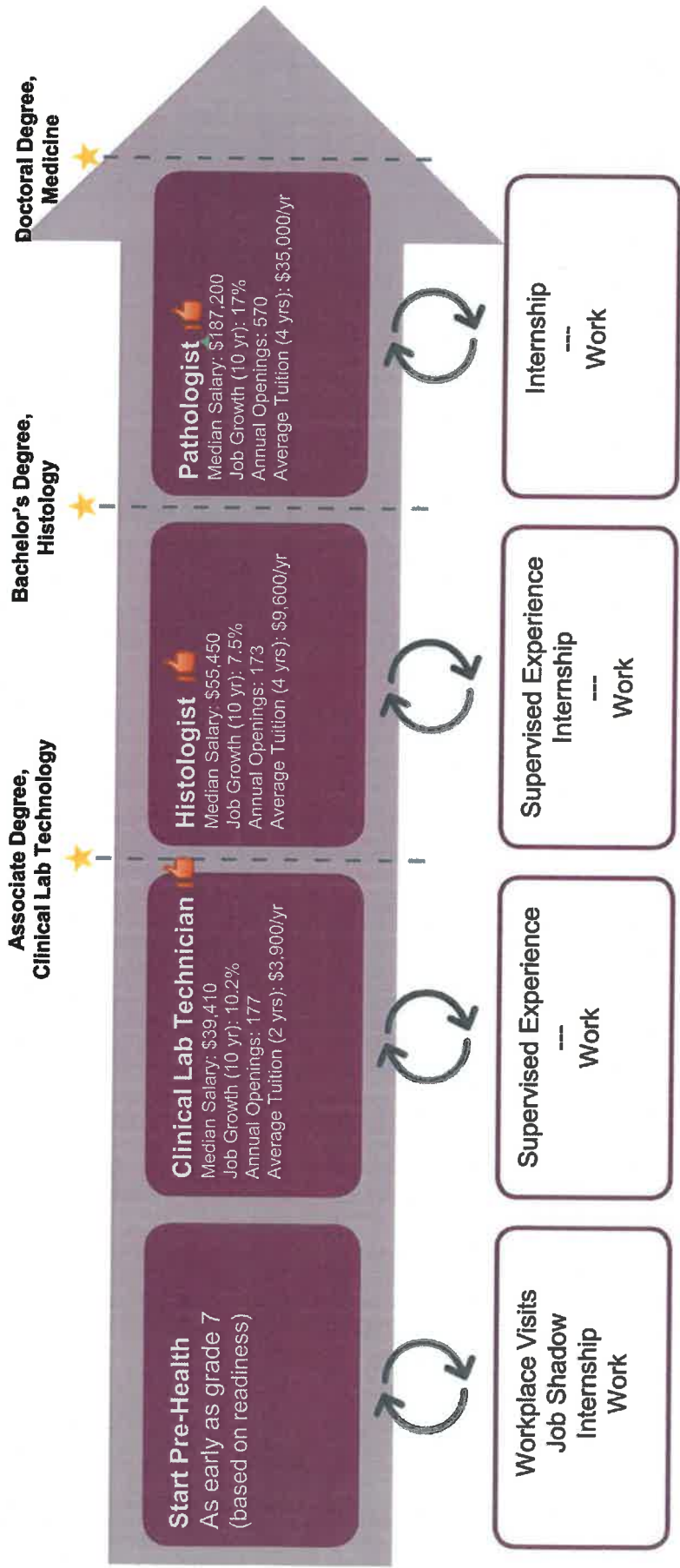
11/2014



Board of Regents
University System of Ohio



Health Science Career Pathway

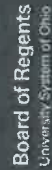


Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.





Health Science Career Pathway

Secondary Pathway: **Medical Bioscience**

Postsecondary Program: **Medical Laboratory Technology**

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7	8	9	10	11	12	Health Science & Technology	Biomedical Engineering	World Languages
	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Health Science & Technology	Principles of Biomedical Technology	World Languages	World Languages
	English II	Geometry	Biology	World History	Health (.5) PE (.5)	World Languages	World Languages		
	English III	Algebra II	Chemistry	U.S. History	Medical Terminology	World Languages	World Languages		
	English IV	Trigonometry/ Calculus	Anatomy & Physiology	U.S. Government	Biochemistry of Health	World Languages	World Languages		
Year 1 1st Semester	Statistics	College Seminar	Human Anatomy	Intro to Medical Lab Technology	Hematology I	World Languages	World Languages		
Year 1 2nd Semester	Immunology	Microbiology	Clinical Chemistry	Human Physiology	Intro to Humanities	World Languages	World Languages		
Year 2 1st Semester	English	Psychology	Biochemistry	Body Fluids	Venipuncture for HC Providers	World Languages	World Languages		
Year 2 2nd Semester	Healthcare Resource Management	Medical Lab Case Studies	Immunohematology	Hematology II	Clinical Practicum	World Languages	World Languages		

High School Career-Technical Education Program Courses
High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses
Required Courses
Recommended Electives

Visit education.ohio.gov/CareerConnections for reference information.

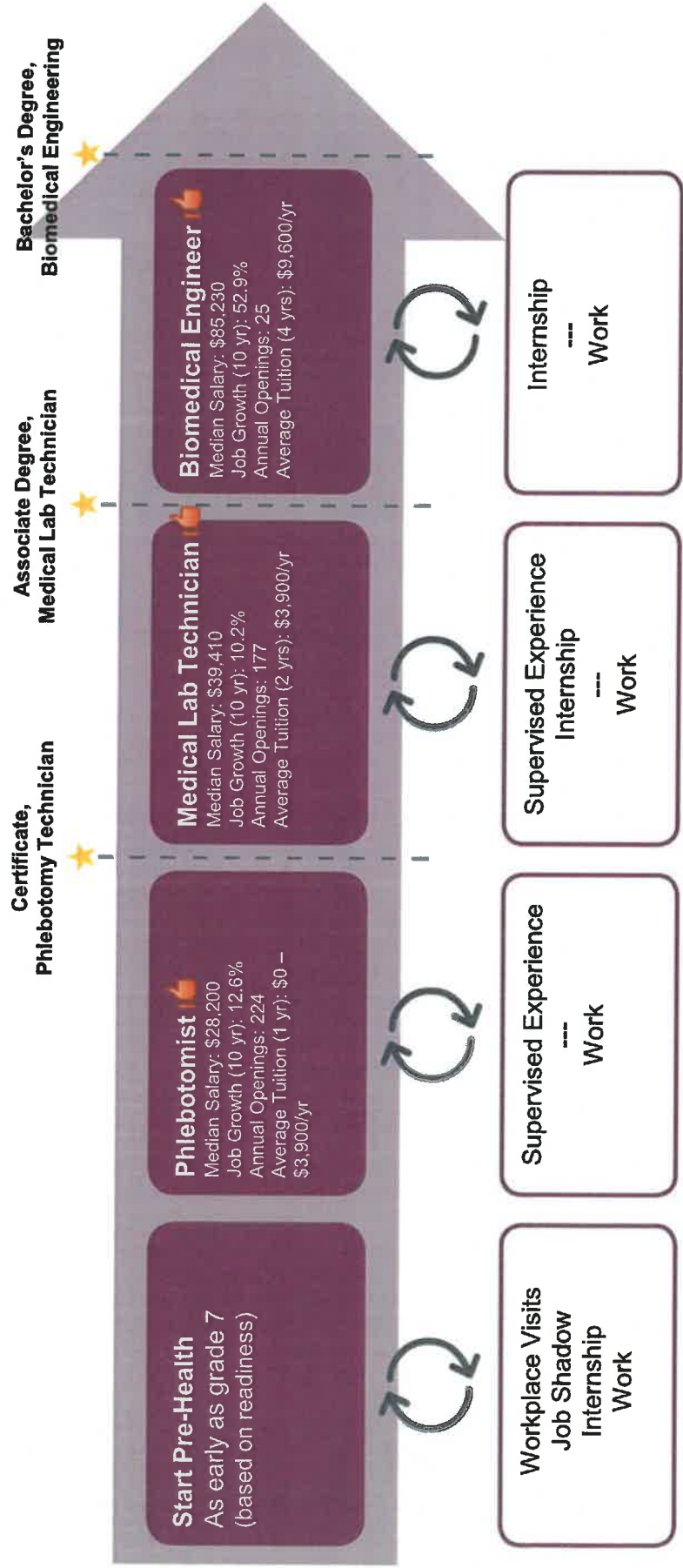
Course titles and sequences will vary between schools.

6/2015





Health Science Career Pathway

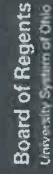


Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.





Health Science Career Pathway

Secondary Pathway: **Medical Bioscience**

Postsecondary Program: **Medical Laboratory Technology**

An Example of Courses with Secondary and Postsecondary Credits

Grade	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Health Science & Technology
7						
8						
9	English II	Geometry	Biology	World History	Health (-.5) PE (.5)	Principles of Biomedical Technology
10						World Languages
11	English III	Algebra II	Chemistry	U.S. History	Medical Terminology	Biomedical Engineering
12	English IV	Trigonometry/ Calculus	Anatomy & Physiology	U.S. Government	Biochemistry of Health	Genetics of Disease
Year 1 1st Semester	English Composition	College Algebra	Human Anatomy	Intro to Medical Lab Technology	Hematology I	Medical Terminology
Year 1 2nd Semester	Immunology	Microbiology	Clinical Chemistry	Human Physiology		
Year 2 1st Semester	Statistics	Psychology	Intro to Humanities	Body Fluids	Venipuncture for HC Providers	
Year 2 2nd Semester	Healthcare Resource Management	Medical Lab Case Studies	Immuno- hematology	Hematology II	Clinical Practicum	

High School Career-Technical Education Program Courses

High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

Required Courses

Recommended Electives

Visit education.ohio.gov/CareerConnections for reference information.
Course titles and sequences will vary between schools.

6/2015

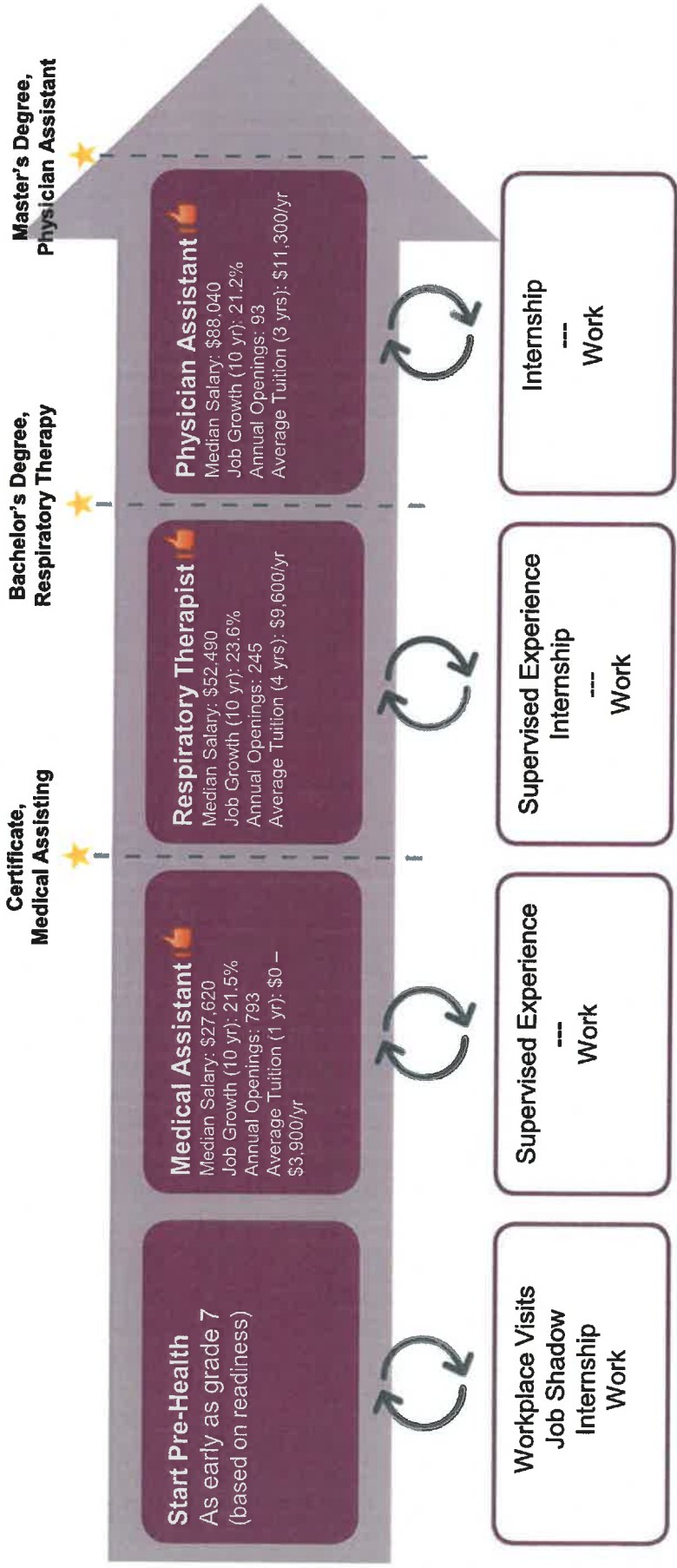
Ohio | Department
of Education

Ohio
MEANS
Jobs.

Ohio | Board of Regents
University System of Ohio



Health Science Career Pathway



Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:
gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.





Health Science Career Pathway

Secondary Pathway: Allied Health and Nursing

Postsecondary Program: Medical Assisting

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7	8	9	10	11	12	Physical Science	Social Studies	Fine Arts	Health Science & Technology	
	English I	Algebra I	Geometry	Biology	Chemistry	Anatomy & Physiology	Intro to U.S. Healthcare	World History	Health (.5) PE (.5)	Principles of Allied Health	World Languages
	English II	Algebra II	Chemistry	Biology	U.S. History	Medical Terminology	Medical Terminology	World History	Nutrition and Wellness	Medical Terminology	World Languages
	English III	Trigonometry/Calculus	Anatomy & Physiology	Chemistry	U.S. Government	Patient Centered Care	Medical Terminology	U.S. History	Clinical Laboratory Techniques	Medical Terminology	World Languages
	English IV	U.S. Government	Medical Terminology	Medical Terminology	Medical Terminology	Medical Terminology	Medical Terminology	U.S. Government	Ethical/Legal Issues in Health	Computer Applications	Mental Health
Year 1 1st Semester	English	Anatomy & Physiology I	Intro to U.S. Healthcare	Pharmacology	Intro to Medical Assisting	Phlebotomy	Medical Terminology	Medical Terminology	Psychology	Phlebotomy	Customer Service in Healthcare
Year 1 2nd Semester	English	Anatomy & Physiology II	Pharmacology	Basic Electrocardiogram	Clinical Medical Assisting	Physician Office Lab	Intro to Medical Assisting	Medical Terminology	Psychology	Physician Office Lab	Medical Office Insurance
Year 2 1st Semester	Interpersonal Communication	Pathophysiology	Basic Electrocardiogram	Phlebotomy Seminar	Clinical Medical Assisting	Social/Behavioral Science	Clinical Medical Assisting	Clinical Medical Assisting	Surgical Procedures	Physician Office Lab	Advanced Medical Terminology
Year 2 2nd Semester	Medical Assisting Practicum	Phlebotomy Clinical Practicum	Phlebotomy Seminar	Phlebotomy Seminar	Medical Assisting Seminar	General Elective	Medical Assisting Seminar	Medical Assisting Seminar	Arts & Humanities Elective	Social/Behavioral Science	General Elective

High School Career-Technical Education Program Courses

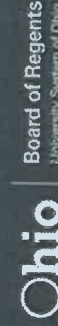
High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

Required Courses

Recommended Electives

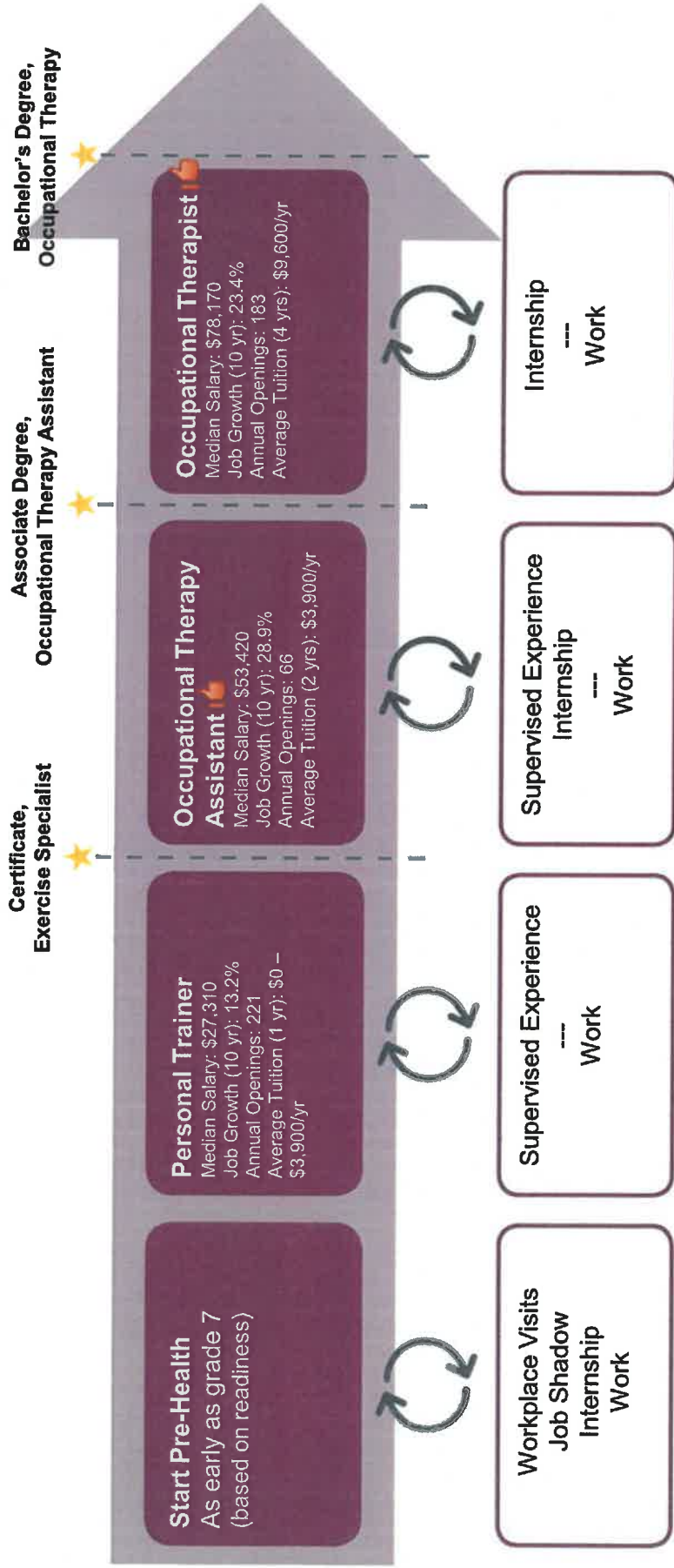
Visit education.ohio.gov/CareerConnections for reference information.
Course titles and sequences will vary between schools.

10/2014





Health Science Career Pathway



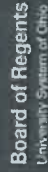
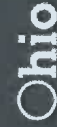
Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:

gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.





Health Science Career Pathway

Secondary Pathway: Exercise Science and Sports Medicine

Postsecondary Program: Occupational Therapy

Courses with Secondary and Post-Secondary Credits

Grade	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Health Science & Technology	World Languages
7	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Health Science & Technology	World Languages
8	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Exercise & Athletic Training	Nutrition & Wellness
9	English III	Algebra II	Chemistry	U.S. History	Bio-statistics in Exercise Science	Exercise Physiology & Biochemistry	World Languages
10	English IV	Trigonometry/Calculus	Anatomy & Physiology	U.S. Government	Fitness Evaluation & Assessment	Athletic Inquiries & Prevention	Health Science Capstone
11	English IV	Trigonometry/Calculus	Anatomy & Physiology	U.S. Government	Fitness Evaluation & Assessment	Athletic Inquiries & Prevention	Health Science Capstone
12	English IV	Trigonometry/Calculus	Anatomy & Physiology	U.S. Government	Fitness Evaluation & Assessment	Athletic Inquiries & Prevention	Health Science Capstone
Year 1 1st Semester	English Composition I	Anatomy & Physiology I	Intro to Occ. Therapy Assisting	Occupational Therapy Techniques	Theory of Occupational Therapy		
Year 1 2nd Semester	Intro to Psychology	Intro to Sociology	Pediatric Concepts and Skills	Therapeutic Media: Pediatrics	Occ. Therapy Assisting Field Experience I		
Year 2 1st Semester	Interpersonal Communication	Anatomy & Physiology II	Psychosocial Concepts and Skills	Therapeutic Media: Psychosocial	Occ. Therapy Assisting Field Experience II		
Year 2 2nd Semester	English Composition II	Kinesiology	Physical Disability Concept/Skills	Therapeutic Media: Physical Dis.	Occ. Therapy Assisting Field Experience III		

High School CTE Program Courses

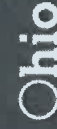
High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

Required Courses

Recommend Electives

Visit education.ohio.gov/CareerConnections for reference information.
Course titles and sequences will vary between schools.

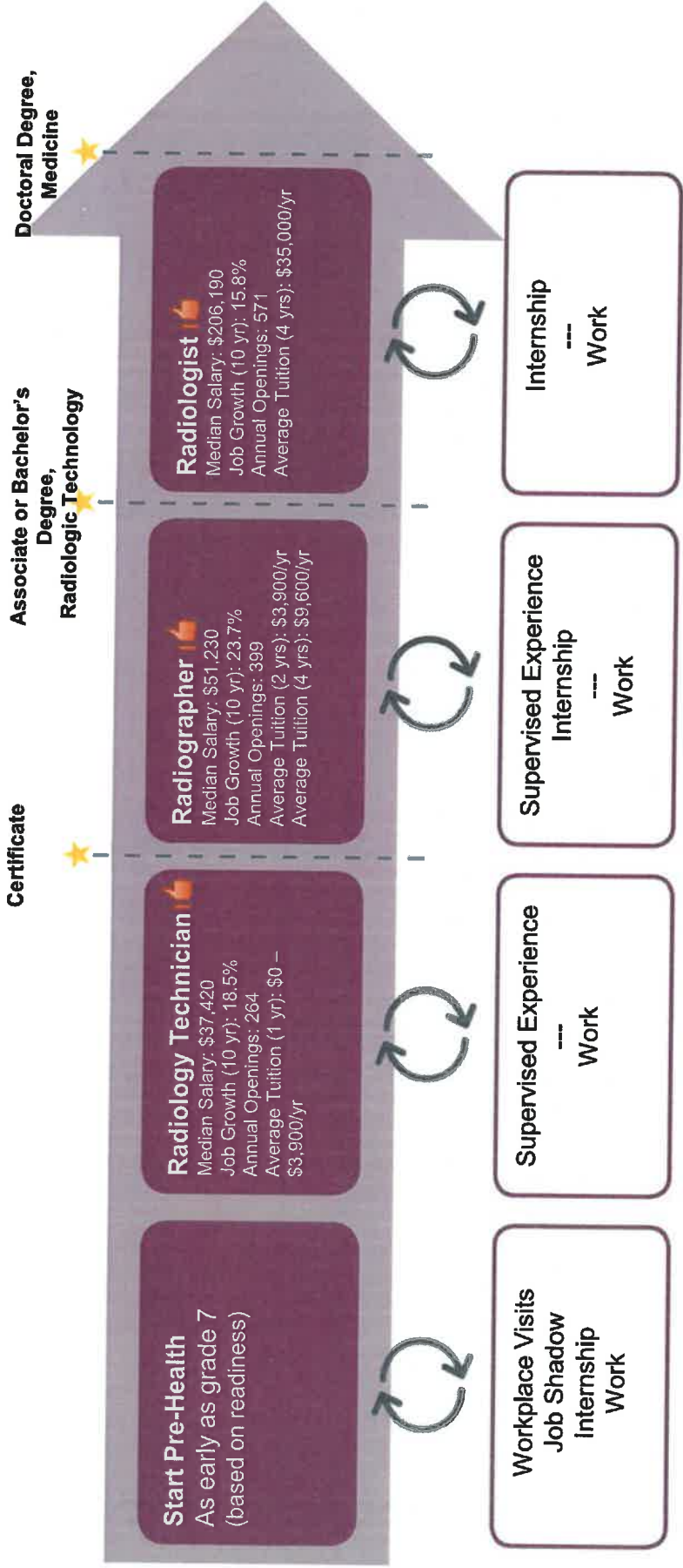
5/2015



Board of Regents
University System of Ohio



Health Science Career Pathway



Provided by middle schools, high schools, employers, Ohio Tech Centers, and colleges.

Preparing students for multiple options after high school:

gainful employment and/or postsecondary study.



Data reflects 2014 Ohio labor statistics and public institutions of higher education for 2013-2014. For specific tuition costs, visit ohiohighered.org.





Health Science Career Pathway

Secondary Pathway: Allied Health and Nursing

Postsecondary Program: Radiology

An Example of Courses with Secondary and Postsecondary Credits

Secondary	7 8	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Health Science & Technology	
	9 10	English II	Geometry	Biology	World History	Health (.5) PE (.5)	Principles of Allied Health	World Languages
	11	English III	Algebra II	Chemistry	U.S. History	Medical Terminology	Human Pathophysiology	World Languages
	12	English IV	Trigonometry/Calculus	Anatomy & Physiology	U.S. Government	Clinical Laboratory Techniques	Patient Centered Care & Diagnostics	
Postsecondary	Year 1 1st Semester	English Composition I	Human Anatomy & Physiology I	Medical Terminology	Imaging Science I	Radiologic Procedures I	Clinical Practicum	
	Year 1 2nd Semester	English Composition II	Algebra	Human Anatomy & Physiology II	Imaging Science II	Radiologic Procedures II	Clinical Practicum	
	Year 2 1st Semester	Speech	Legal Aspects of Healthcare	Imaging Science III	Radiologic Procedures III	Clinical Practicum		
	Year 2 2nd Semester	Humanities Elective	Sociology	Imaging Science IV	Radiologic Procedures IV	Clinical Practicum		

High School Career-Technical Education Program Courses

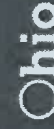
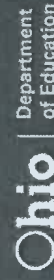
High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses

Required Courses

Recommended Electives

Visit education.ohio.gov/CareerConnections for reference information.
Course titles and sequences will vary between schools.

6/2015



Board of Regents
University System of Ohio