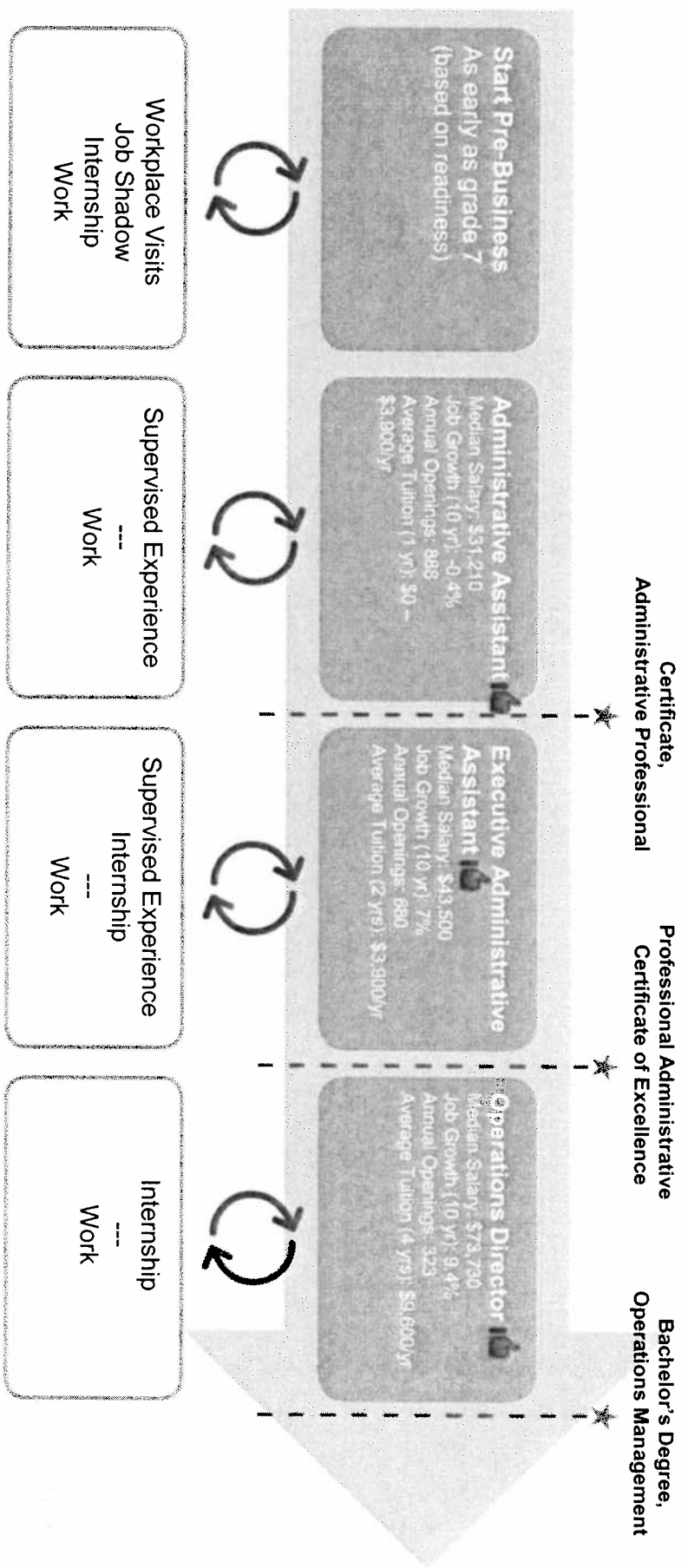


Appendix A



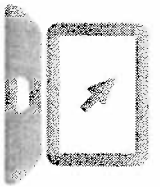
Business and Administrative Services Career Pathway



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.

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



Business and Administrative Services Career Pathway

Secondary Pathway: Business and Administrative Services

Postsecondary Program: Business Management

An Example of Courses with Secondary and Postsecondary Credits

Secondary		Postsecondary										
		Year 1 1st Semester	Year 1 2nd Semester	Year 2 1st Semester	Year 2 2nd Semester							
7	English I	English I	Business Math	Document Production	Beginning Spreadsheet	Office Procedures	Information Technology Basics					
8	Algebra I	Business Math	Accounting Concepts	Document Production II	Intermediate Spreadsheet	Beginning Database	Presentation Graphics	Contemporary American Business				
9	English II	English II	Public Speaking	Employability Skills	Organizational Behavior	Intermediate Database	Principles of Management	Web Design				
10	Geometry	Business Communication	Human Resource Management	Office Simulation	HR Co-Op Experience	Business Management Elective						
11	English III	English III	Algebra II	Chemistry	U.S. History	Office Management	World Languages					
12	English IV	English IV	Trigonometry/Calculus	Physics	U.S. Government	Financial Accounting	Operations Management					
												Social Science 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



WEB-VERSION ONLY
Official course requirements based upon semester admitted into the CBA and/or term major declared.

You will earn a degree from a globally recognized business school where the programs are taught by an accomplished and dedicated faculty and are supported by a network of business executives. You can major in a wide variety of interesting disciplines that are attractive to prospective employers. As a graduate, you will have leadership and collaboration competencies and be a data savvy, globally aware, enterprise thinker.

General Education Requirements (42 credits)			
	PRE-REQ	DONE	RECOMM YEAR
Speech Requirement: 3 Credit Hours			
7600:105 Public Speaking or 7600:106 Effective Oral Communication		<input type="checkbox"/>	Year 1
English Requirement: 6 Credit Hours			
3300:111 English Composition I		<input type="checkbox"/>	Year 1
3300:112 English Composition II	3300:111	<input type="checkbox"/>	Year 1
Physical Education Requirement: 1 Credit Hour			
½ credit hour		<input type="checkbox"/>	Year 3
½ credit hour		<input type="checkbox"/>	Year 3
Mathematics Requirement: 4 Credit Hours			
3450:145 College Algebra (min. C-) or higher level Math	Placement	<input type="checkbox"/>	Year 1
Natural Science Requirement: 8 Credit Hours w/ Lab			
Lab Requirement		<input type="checkbox"/>	Year 1
Subject 1		<input type="checkbox"/>	Year 1
Subject 2		<input type="checkbox"/>	Year 1
8 Hours Completed		<input type="checkbox"/>	Year 3
Social Science Requirement: 6 Credit Hours			
3250:200 Principles of Microeconomics		<input type="checkbox"/>	Year 1
3230:150 Human Cultures, 3750:100 Intro to Psychology, OR 3850:100 Intro to Sociology		<input type="checkbox"/>	Year 1
Area Studies & Cultural Diversity: 4 Credit Hours			
Course 1 (2 credit hours)	See course	<input type="checkbox"/>	Year 3
Course 2 (2 credit hours)	See course	<input type="checkbox"/>	Year 4
Humanities Requirement: 10 Credit Hours			
3400:210 Humanities/ West Trad (4 credit hrs)	32cr, 3300:112	<input type="checkbox"/>	Year 2
Course 1: From Set 1 – 4		<input type="checkbox"/>	Year 2
Course 2: From Set other than Course 1		<input type="checkbox"/>	Year 4
Total Remaining Credits			

Additional Business Requirements (6+ credits)			
	PRE-REQ	DONE	RECOMM YEAR
Required Business Courses: 6 Credit Hours			
3450:210 Calculus w/ Business Applications	C- in 3450:145	<input type="checkbox"/>	Year 1
3250:201 Principles of Macroeconomics	3250:200	<input type="checkbox"/>	Year 2
Recommended Business Courses:			
6100:101 Business Issues in a Connected World		<input type="checkbox"/>	Year 1
6100:200 Personal Leadership Skills (1 cr hr)	32cr	<input type="checkbox"/>	Year 2
Total Remaining Credits			

This Graduation Planning Summary (GPS) is based on the term you are admitted to the CBA & expires in 5 years. Requirements can be subject to change. The "Recommended Year" can vary for students based upon an individual's academic progress and course pre-requisites. Students should meet with an academic advisor and check DARS to review academic progress and determine course sequencing each semester.

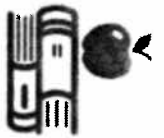
CBA Core (36 credits) – All courses 3 credit hours			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
C1 6200:201 Accounting Principles I	24cr	<input type="checkbox"/>	Year 2
C2 6200:202 Accounting Principles II	6200:201	<input type="checkbox"/>	Year 2
C3 6200:250 Spreadsheet Modeling & Decision Analysis	24cr or 6200:201	<input type="checkbox"/>	Year 2
C4 6400:220 Legal and Social Envir of Bus	32cr	<input type="checkbox"/>	Year 3
C5 6400:301 Principles of Finance	3250:200/244, 3450:145, 6200:201 & 250	<input type="checkbox"/>	Year 3
C6 6500:304 Business Statistics	3450:145, 6200:250	<input type="checkbox"/>	Year 2
C7 6600:205 Marketing Principles	24cr	<input type="checkbox"/>	Year 2
C8 6800:305 International Business	48cr	<input type="checkbox"/>	Year 3
C9 6500:301 Management Principles	48cr	<input type="checkbox"/>	Year 3
C10 6500:305 Business Analytics	6500:304	<input type="checkbox"/>	Year 3
C11 6500:330 Principles of Supply Chain & Operations Mgmt.	48cr	<input type="checkbox"/>	Year 3
C12 6500:490 Strategic Management	Admitted to CBA, C1-11 (Core), 97cr & ½ major	<input type="checkbox"/>	Year 4
Total Remaining Credits			

Business Administration (27 credits) – Courses 3 credit hrs			
REQUIRED COURSES	PRE-REQ	DONE	RECOMM YEAR
Business Systems Course: 6200:320, 6200:454 or 6500:310 This course can be fulfilled through other major requirements (not an additional course).			
Business Systems Course		<input type="checkbox"/>	-
Business Elective: Select one course from the following 6100:495 Internship; 6300:201 Intro to Entrepreneurship; 6600:275 Professional Selling (25 credit pre-req)			
Business Elective		<input type="checkbox"/>	Year 2
6100:495 Internship: Students must be admitted to CBA and meet requirements.			
Accounting Courses: Two 300-400 level Accounting courses. Recommendations below.			
Course 1: 6200:320 Accounting Systems & Internal Control (recommended)	Admitted to CBA, 6200:201, 250	<input type="checkbox"/>	Year 3
Course 2: 6200:454 Information Systems Security (recommended)	Admitted to CBA; 6200:320 or 6500:310	<input type="checkbox"/>	Year 3
Finance Courses: 6400:200 + one 300-400 level Finance course. Recommendations below			
6400:200 Foundations in Personal Finance	3250:200, 3450:145	<input type="checkbox"/>	Year 2
Recommendations:			
6400:338 Financial Markets & Institutions OR 6400:343 Investments	Both: 6400:301; 6400:343 = 6500:304	<input type="checkbox"/>	Year 4
Management Courses: Two 300-400 level Management courses.			
Management Course 1	See course	<input type="checkbox"/>	Year 4
Management Course 2	See course	<input type="checkbox"/>	Year 4
Marketing Courses: Two 300-400 level Marketing courses.			
Marketing Course 1	See course	<input type="checkbox"/>	Year 3
Marketing Course 2	See course	<input type="checkbox"/>	Year 4
Total Remaining Credits			

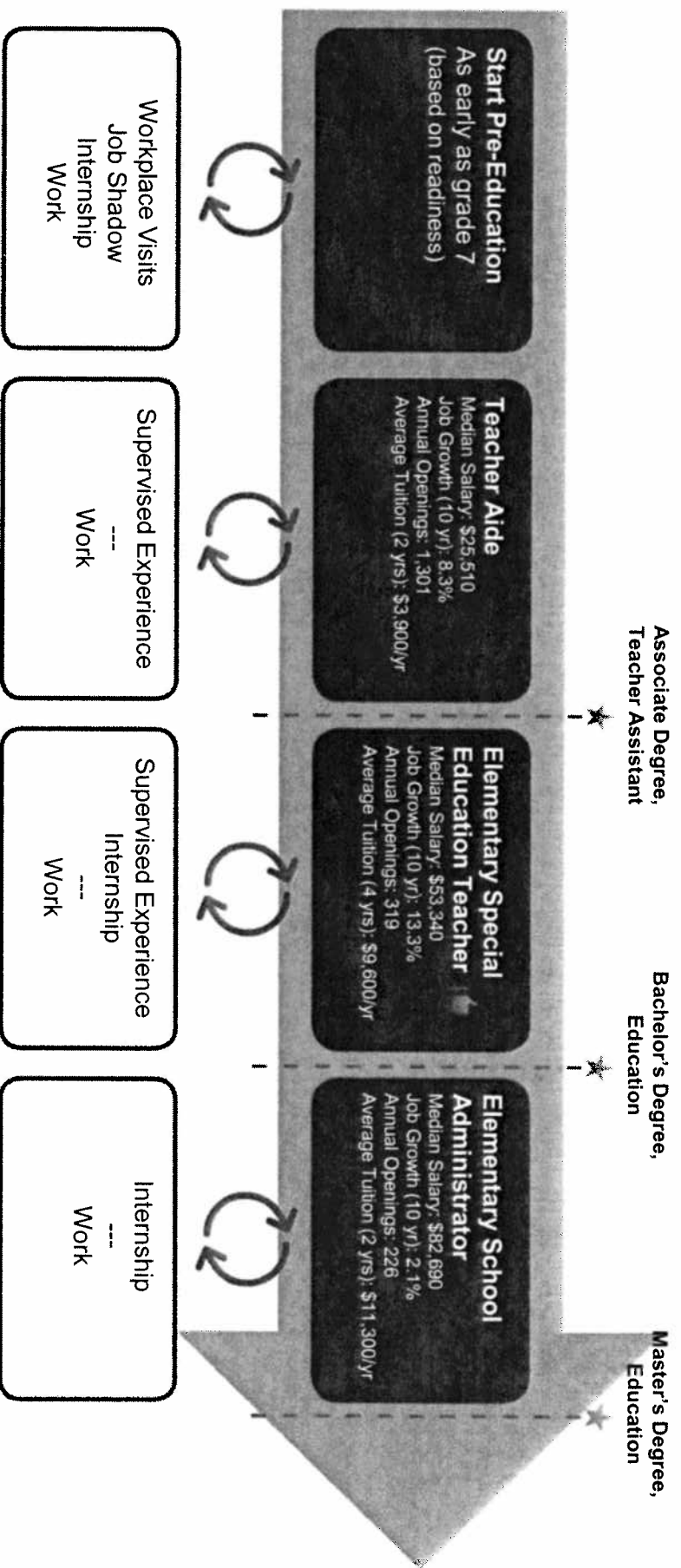
_____ Additional Credits to Reach Minimum 128 Credit Hours

Graduation Requirements – Review DARS for status:

- 128 Credit Hours
- CBA residency = Last 15 credits earned in CBA
- Overall GPA = 2.3
- Major GPA = 2.0
- Business & Economics GPA = 2.0



Education and Training Career Pathway



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Ohio In-demand Occupations
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The University of Akron

Undergraduate Curriculum Guides

2013-2014

Early Childhood Education (5200)

B.S. - Bachelor of Science

Major: Early Childhood Education (520208BS)

College of Education

Year 1

Fall	
3300:111 English Composition I	3
3100:103 Natural Science: Biology	4
3350:100 Introduction to Geography	3
3450:140 Fund of Math for Primary Educ	3
Oral Communication:Any	3
Min Credit Total	16

Spring	
3300:112 English Composition II	3
3450:240 Math Found for Early Chld Educ	3
3700:100 Government & Politics in US	4
7400:265 Child Development	3
Natural Science:Not in Biology	4
Physical Education/Wellness:Any	1
Min Credit Total	18

Summer
Min Credit Total

Year 2

Fall	
5100:200 Introduction to Education	3
5100:220 Educational Psychology	3
5200:100 Orient to Early Childhood Educ	0
5500:230 Educational Technology	3

Spring	
5100:300 Ed Eqty & Exc in Cult Pl Socty	3
5500:360 Ed Plan: Inst,Assess & Cls Mgt	3
5500:245 Undrstnd Lit Devlpmt & Phonics	3
5200:215 Child, Family & School	3

Summer
Min Credit Total

Fall	
3400:210 Humanities in Western Trad I	4
5610:225 Intro: Exceptionalities	3
Min Credit Total 16	

Spring	
7400:270 Theory & Guidance of Play	3
Humanities:7500:201 or 7100:201	3
Min Credit Total 18	

Year 3

Fall	
5500:370 Ed Imp: Inst,Assessmt, Cls Mgt	3
5500:286 Teach Mult Txt Thru Genre	3
5500:440 Dev Rdg Cont Area-E/Mid Chd	3
5610:450 Spec Ed Prog: Early Childhood	3
5200:342 Teaching Math-Young Children	3
Area Studies & Cultural Diversity:Any	2
Min Credit Total 17	

Spring	
7400:280 Early Childhood Curric Methods	3
5610:459 Coll & Consult:Sch & Comm	3
5200:420 Integrated Primary Curriculum	4
5200:340 Dvlpmtl Writing in Early Chdhd	3
5500:445 Evaluating Language Literacy	3
Humanities:Any set but Fine Arts	3
Min Credit Total 19	

Summer
Min Credit Total

Year 4

Fall	
5200:425 Adv Integratd Primary Curriclm	4
5200:319 Integr Expres Arts in Erly Chd	3
5610:460 Family Dyn & Comm in Educ Proc	3
5200:325 Adv Early Childhood Curriculum	4
Area Studies & Cultural Diversity:Any	2
Min Credit Total 16	

Spring	
5200:495 Stu Teach: (Pre-K through K)	5
5200:496 Stu Teach: (Grades 1-3)	6
5200:498 Student Teaching Colloquium	1
Min Credit Total 12	

Summer
Min Credit Total

Degree Distribution Requirements

This curriculum guide is a recommended plan of study. Students with questions about degree requirements should contact an academic advisor.

Degree Distribution Requirements

3400:251 U.S. History Since 1877 or 3400:250 U.S. History to 1877 may be substituted for 3700:100 Government & Politics in the U.S.

3400:221 Humanities in the World Since 1300 may be substituted for 3400:210 Humanities in the Western Tradition.

A 2.5 overall GPA and 2.5 GPA in pre-req courses are required to be admitted to the Teacher Education Program.

Eight credits of Natural Science are required to transfer to the College of Education Early Childhood Education majors must take 3100:103 Natural Science Biology (3100:103, 4 credits) or an equivalent biology course at a level higher than 103. Please see the General Education Guide for the remaining four credits of this requirement.

Social Science requirement: Early Childhood Education majors are required to take 3350:100 Intro to Geography to fulfill half of this requirement. Students must complete one of the following courses to fulfill the second half of the Social Science requirement: 3400:250 U.S. History to 1877 or 3400:251 U.S. History since 1877 or 3700:100 Government & Politics in the U.S.

All Early Education majors are required to take 3450:140 Fundamentals of Mathematics for Primary Educators and 3450:240 Mathematical Foundations for Early Childhood Educators to graduate.

Computer literacy requirement: A passing score on the computer literacy exam or completion of one of the computer classes listed in the following note at a B or better is required for final acceptance into the College of Education Teacher Education Program. The exam tests the following: creating, saving, naming skills; basic word processing skills; basic e-mail and internet skills.

Copies of "What's on the Computer Literary Assessment" are available in the College of Education, Office of Student Services, Zook Hall 207. If you do not pass the computer literacy test after two attempts, you must complete one of the following courses and earn a grade of B or better prior to admission to the Teacher Education Program: 2440:105(3) Introduction to Computers Software Fundamentals; 7500:298(2) Technologies of Music Education.

A grade of C or better is required in all pre-admission coursework regardless of when a student began college.

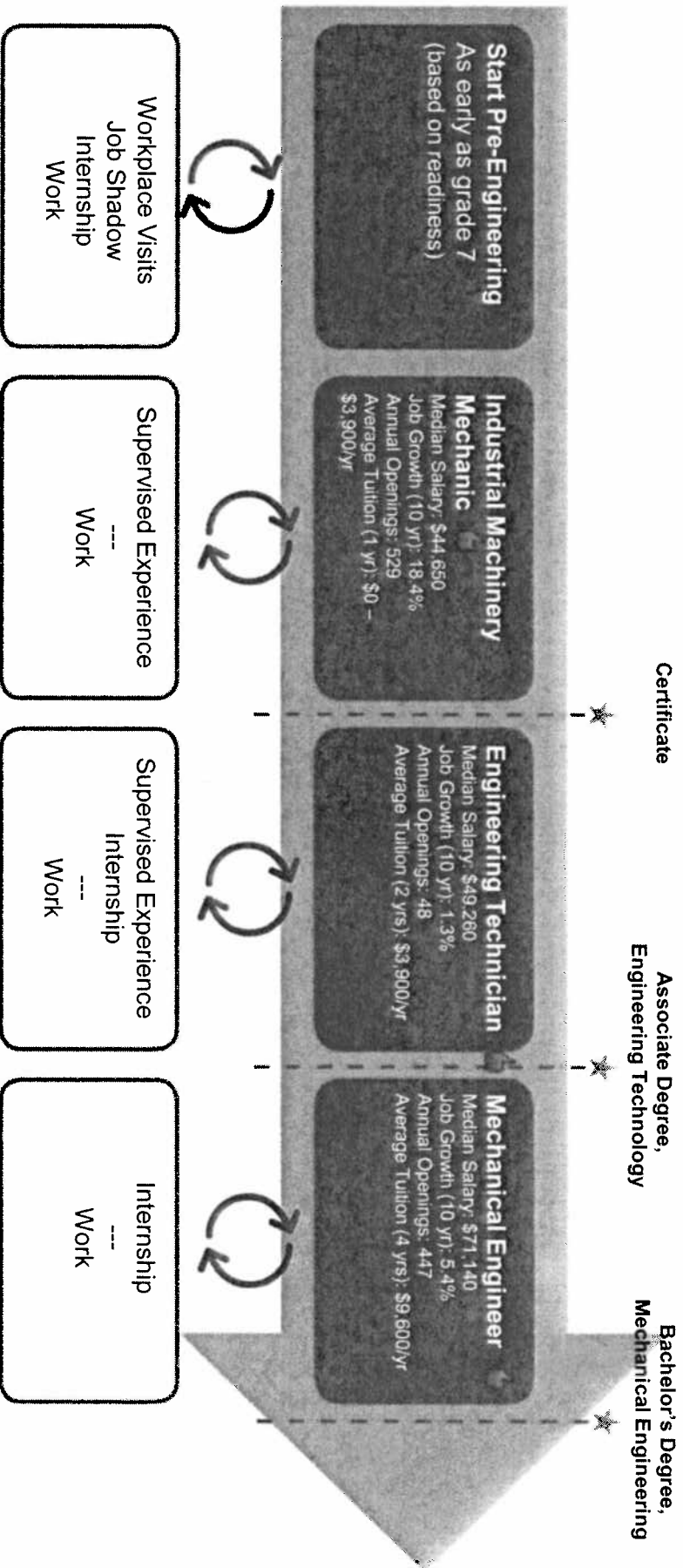
Some education courses may require additional field or service learning hours.

The following credit hour requirements apply to this degree: 128 minimum total credits; 32 credits in residence; the final 32 credits must be taken from The University of Akron.

Guide Updated: 04-02-2013



Engineering and Science Technologies 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.

Ohio In-demand Occupations

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Engineering and Science Technologies Career Pathway

Secondary Pathway: Engineering and Design

Postsecondary Program: Mechanical Engineering Technology

An Example of Courses with Secondary and Postsecondary Credits

Secondary		Postsecondary						
7	English I	Algebra I	Physical Science	Social Studies	Fine Arts	Pre-Engineering Technologies		
8	English II	Algebra II	Biology	World History	Health (.5) PE (.5)	Engineering Principles	Engineering Design	World Languages
9	English III	Geometry	Chemistry	U.S. History	Manufacturing Operations	Digital Electronics	World Languages	
10	English IV	Trigonometry/Calculus	Physics	U.S. Government	Robotics	Alternative Energy		
11	Computer Applications	Technical Math	Intro to Engineering Technology	Manufacturing Materials & Processes	Engineering Graphics			
12	English Composition	Statics	Physics	CAD I	Machine Tools Lab			
Year 1 1st Semester	Interpersonal Communication	Strength of Materials	Basic Mechanisms and Drives	CAD II	Ethics	Motors and Control Logic		
Year 1 2nd Semester	Technical Writing	Machine Design/CAM	Engineering Statistics	CNC	Robotics	Micro Economics		
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

Mechanical Engineering 46000BS

The following information has official approval of the **College of Engineering**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your Academic Advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

1 st Year	Fall Semester	Credit Hours	Prerequisites
3150:151	<i>Principles of Chemistry I (Lecture and Recitation) (Natural Science Requirement)</i>	3	Placement into 3450:149 (Precalculus) or higher
3150:152	<i>Principles of Chemistry I Lab (Natural Science Requirement)</i>	1	3150:151 corequisite
3450:221	<i>Analytic Geometry-Calculus I</i>	4	Placement Test or 3450:149 (PreCalculus)
4600:165	Tools for Mechanical Engineering(Lect and Lab)	3	3450:149 (PreCalculus) or higher corequisite
	<i>Physical Education Requirement</i>	1	
	<i>English Composition I Requirement</i>	4	Appropriate placement by advisor
Total		16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3450:222	<i>Analytic Geometry-Calculus II</i>	4	3450:221 with C- or better
3150:153	<i>Principles of Chemistry II (Lecture and Rec)</i>	3	3150:151
	<i>English Composition II Requirement</i>	3	3300:111 or equivalent
	<i>Speech/Oral Communication Requirement</i>	3	
	<i>Social Science Requirement (not economics)</i>	3	
Total		16	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3450:223	<i>Analytic Geometry-Calculus III</i>	4	3450:222 with C- or better
3650:291	<i>Physics I (Lecture and Lab) (Natural Science Requirement)</i>	4	3450:221 with C- or better
4300:201	Statics	3	3450:222 and 3650:291 corequisites
3250:244	<i>Intro to Economic Analysis (Social Science Requirement)</i>	3	
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World since 1300</i>	4	32 credit hours and 3300:112 equivalent 32 credit hours and 3300:112 equivalent
Total		18	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
3650:292	Physics II (Lecture and Lab)	4	3650:291
4600:203	Dynamics (Lecture and Problem)	3	3450:222, 3650:291, 4300:201 prerequisites 3450:223 corequisite
3450:335	Introduction to Ordinary Differential Equations	3	3450:223 with C- or better
4300:202	Mechanics of Solids (Lecture and Problem)	3	4300:201
4600:260	Engineering Analysis I	2	3450:222 prerequisite; 3450:223 corequisite
Total		15	

3 rd Year	Fall Semester	Credit Hours	Prerequisites
4600:300	Thermodynamics I (Lecture and Problem)	3	3450:223 prerequisite; 3650:292 corequisite
4600:310	Fluid Mechanics I (Lecture and Problem)	2	4600:203 and 3450:335
4600:321	Kinematics of Machines	2	4600:203 and Tools
4600:336	Analysis of Mechanical Components (Lecture	3	4300:202 prerequisite; 3450:335 corequisite

	and Problem)		
4600:360	Engineering Analysis II (Lecture and Problem)	2	4600:260, 3450:335
3470:401	Probability and Statistics for Engineers	2	3450:222
Total		14	

3rd Year Spring Semester			
4600:315	Heat Transfer (Lecture and Problem)	3	4600:310 or 4800:360; 4600:300; 4600:360 or 4800:220
4600:337	Design of Mechanical Components	3	4600:336
4600:340	Systems Dynamics and Response (Lecture and Problem)	3	4600:203 and 3450:335
4600:483	ME Measurements Lab (Lecture and Lab)	2	4600:300 and 4600:310 prerequisites 4600:340 corequisite
4600:301	Thermodynamics II	2	4600:300 and 3450:335
	<i>Humanities Elective Requirement</i>	3	
Total		16	

3rd Year Summer Semester			
4600:311	Fluid Mechanics II	3	4600:310
4600:380	Mechanical Metallurgy	2	3150:153 prerequisite; 4300:202 corequisite
4600:431	Fundamentals of Mechanical Vibrations	3	4600:203 and 3450:335
Total		8	

4th Year Fall Semester			
4600:400	Thermal System Components (Lecture and Problem)	3	4600:310, 4600:311 and 4600:315
4600:441	Control Systems Design (Lecture and Problem)	3	4600:340
4600:460	Concepts of Design (Lecture and Design)	3	4600:460
4600:461	ME Senior Design Project I	2	Department consent required 4600:400, 4600:441 and 4600:460 corequisites
4600:484	Mechanical Engineering Laboratory	2	4600:301, 4600:311, 4600:315, 4600:380, 4600:431, 4600: 483 prerequisites 4600:441 corequisite
4600:402	Senior Seminar	1	4600:401, 4600:461 or 4700:499 prerequisites 4600:400, 4600:441, 4600: 460 corequisites
	ME Elective*	3	
Total		17	

4th Year Spring Semester			
4600:471	ME Senior Design Project II	2	Department consent, 4600:461
4400:307	Basic Electrical Engineering	4	3650:292 prerequisite; 3450:335 corequisite
	ME Elective*	3	
	ME Elective*	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2-3	
	<i>Humanities Requirement</i>	3	
Total		17-18	

Minimum Total Credits for Degree	137 min
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted you should have declared a major and transferred to (been accepted by) a degree granting college at The University Akron.

*Electives must include 3 credits of Mechanical Engineering design elective, 3 credits technical elective and 3 credits Mechan Engineering technical elective.

**Department Chair, Dr. Sergio Felicelli, 101 Auburn Science and Engineering, (330) 972-7731 or (330) 972-7672.
E-Mail: sergio@uakron.edu & Web Address: www.uakron.edu/engineering/ME/**

IN GENERAL: Mechanical Engineering is a branch of engineering concerned with the production, transmission, and storage energy and motion and the design and analysis of physical systems to carry out these objectives. The curriculum is based on firm grounding in mathematics and physical sciences with further study in the engineering sciences and design including solid mechanics, thermal sciences, control systems, fluid flow, energy system design and mechanical system design.

SALARY LEVEL: Starting salary offers for new graduates range from \$30,000 to \$75,000 per year. The average is \$56,500.

CO-OP OPTION: Students can choose between a five-year program, which includes up to four semesters of co-op experience or a four-year program without co-op experience. The Co-op Program provides an opportunity to gain real-world, relevant experience while working toward a bachelor's degree. Students who participate in the Co-op Program earn money to help fund their education, graduate with 12 or more months of career-related experience, and often receive a higher starting salary after graduation. More information about the Co-op Program can be found at engineering.uakron.edu/coop.

OUT-OF-PHASE STUDENTS: A student who is out of phase with his/her class through course failure, transfer, etc. should be aware of the importance of giving priority to Mathematics, Physics, Statics, Mechanics of Solids, and Dynamics in scheduling. These courses are prerequisites to other engineering courses and should be completed as early as possible.

STUDENT ACTIVITIES: A student interested in Mechanical Engineering is encouraged to affiliate with the student section of the American Society of Mechanical Engineers. This society holds monthly meetings, plant tours and social events and provides an opportunity for the engineering student to learn more about the chosen field and to become acquainted with faculty members and fellow students. Student sections of the Society of Automotive Engineers and the American Institute for Aeronautics and Astronautics are also based in the Mechanical Engineering Department.

PLACEMENT: The Engineering Co-op and Placement Office, ASEC 203, Akron, Ohio 44325 assists all graduates with full-time placement.

TRANSFER TO COLLEGE OF ENGINEERING: To be admitted to the college, the student must:

- Complete at least 30 semester hours of coursework post high school
- Complete Calculus 2 with a C- or higher
- Have a 2.3 grade point average in at least three of the following categories:
 - o in all coursework
 - o in all engineering coursework
 - o in all required mathematics coursework
 - o in all required science coursework (chemistry, physics, computer science, biology)

Admission of students who do not meet the above requirements will be considered by the dean or representative only if the request originates by an Engineering department head or representative.

Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information listed in "My Akron."

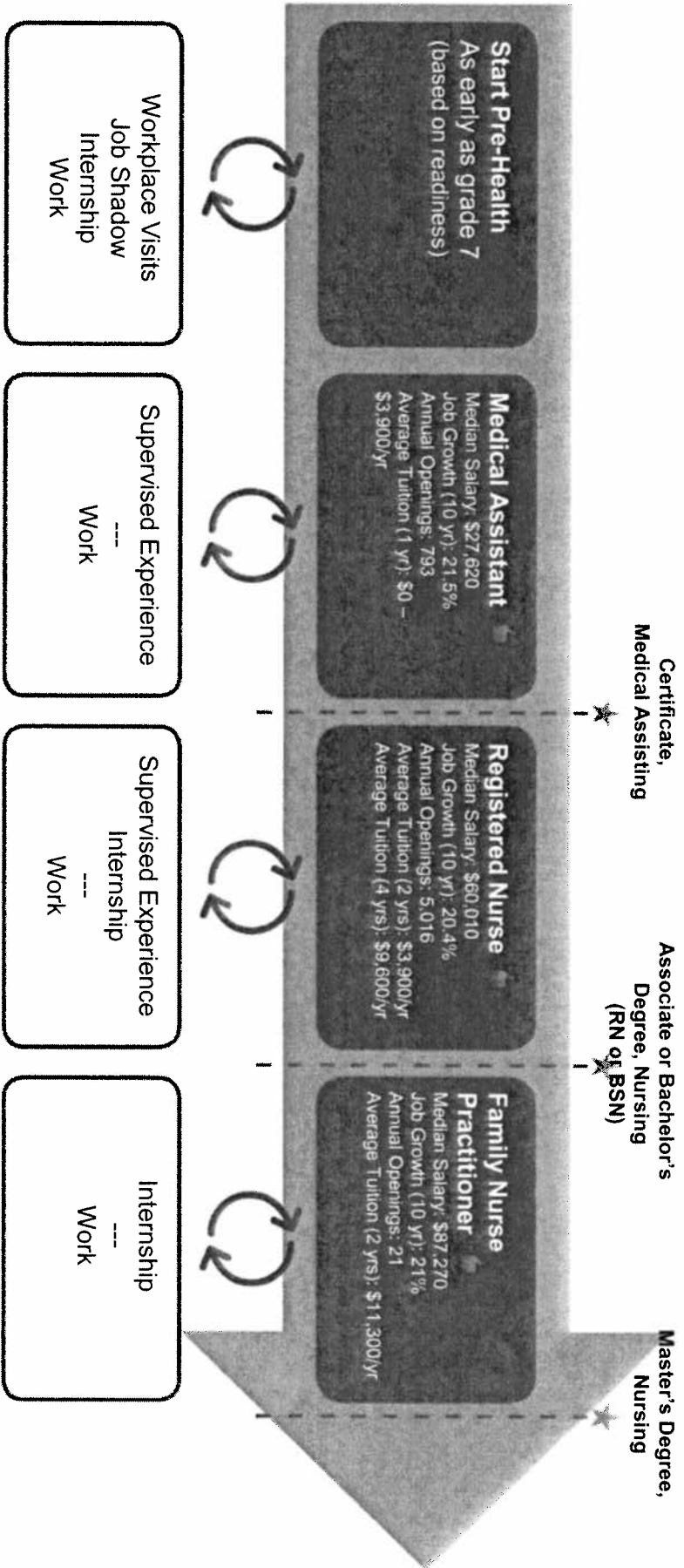
DIRECT ADMISSION TO MECHANICAL ENGINEERING: An entering freshman student will have the option of direct admission to the Department of Mechanical Engineering if he or she (1) had at least a 3.4 high school grade point average, (2) was in the upper 25% of his or her high school graduating class, and (3) had a core curriculum of four units of math including trigonometry with a grade of B or above and one unit of chemistry with a grade of B or above. In addition, the freshman must have either (1) a 24 ACT composite score with a 25 ACT math score or (2) a 1010 SAT composite score with a 560 SAT math score.

WOMEN AND MINORITY ENGINEERS: Eligible students are invited to register into the applicable engineering course elective. There are two options; 4100:110, Women in Engineering Seminar & Peer Group (Contact: Heidi Cressman, 330-977-7701, or hec9@uakron.edu). This course provides beginning women students an overview of the career opportunities for women in engineering. The course introduces relevant topics in engineering, an overview of career opportunities, student led discussion groups and an opportunity to meet with professionals in various engineering disciplines. The other option is 4100:120, Minority Engineering Seminar and Peer Groups (Contact: Julie Zhao, 330-972-2823, or zhao1@uakron.edu). This course provides an overview of disciplines and opportunities in engineering. It also reinforces educational/ career choices and provides role models of successful minority engineers.

(Jackson)



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.

Ohio In-demand Occupations

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Ohio | Department
of Education

Ohio
MEANS
Jobs

Ohio
Board of Regents
University System of Ohio



Health Science Career Pathway

Secondary Pathway: Allied Health and Nursing

Postsecondary Program: Nursing

An Example of Courses with Secondary and Postsecondary Credits

Secondary		Postsecondary											
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	Mental Health	Medical Terminology							
10	English IV	Trigonometry/Calculus	Anatomy & Physiology	U.S. Government	Clinical Laboratory Techniques	Patient Centered Care							
11													
12													
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

Required Courses

Recommended Electives

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

10/2014

Nursing 82000BS

The following information has official approval of the **School of Nursing**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, the number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

***Preadmission courses: A grade of "C" or higher is required.** A minimum combined 2.75 GPA is required in core science courses: 3150:110/111, and 112/113, Int. to General, Org., and Biochemistry I and II; 3100:200/201, Human Anatomy & Physiology I (Lecture and Lab); and, 3100:202/203, Human Anatomy & Physiology II (Lecture and Lab).

Early transfer to the School of Nursing can occur after completing 12 credits at the University of Akron, completion of at least one core science course and earning a 3.0 GPA at The University of Akron.

IMPORTANT: THE PREADMISSION SCIENCE GPA WILL DETERMINE YOUR RANK ORDER FOR SELECTION INTO THE CLINICAL PROGRAM.

1 st Year	Fall Semester	Credit Hours	Prerequisites
*3300:111	<i>English Composition I</i>	3	Appropriate placement by advisor
*3100:200	<i>Human Anatomy and Physiology I Lecture</i>	3	
*3100:201	<i>Human Anatomy and Physiology I Lab</i>	1	
*3150:110	<i>General and Organic Biochemistry I Lecture (Note a)</i>	3	
*3150:111	<i>General and Organic Biochemistry I Lab</i>	1	3150:110, corequisite
*3470:250	<i>Statistics for Everyday Life/Lab (Note c)</i>	4	Appropriate placement by advisor
or	-OR-	or	
*3470:260	<i>Basic Statistics/ Lab</i>	3	
*8200:100	Introduction to Nursing	1	
Total		15-16	

1 st Year	Spring Semester	Credit Hours	Prerequisites
*3300:112	<i>English Composition II</i>	3	3300:111
*3100:202	Human Anatomy and Physiology II Lecture	3	3100:200
*3100:203	Human Anatomy and Physiology II Lab	1	
*3150:112	General and Organic Biochemistry II Lecture	3	3150:110
*3150:113	General and Organic Biochemistry II Lab	1	3150:112, corequisite
*3750:100	<i>Introduction to Psychology</i>	3	
*7600:105	<i>Introduction to Public Speaking</i>	3	
or	-OR-		
*7600:106	<i>Effective Oral Communication</i>		
Total		17	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3100:130	Principles of Microbiology	3	
3750:230	Developmental Psychology	4	3750:100
7760:316	Science of Nutrition	4	3100:200, 3100:201, 3100:202 and 3100: 203 3150:110, 3150:111, 3150:112 and 3150:113
8200:211	Fundamentals in Nursing I	5	Acceptance into the clinical program
8200:217	Pathophysiology for Nurses	3	Acceptance into the clinical program
Total		19	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
8200:212	Fundamentals in Nursing II	5	8200:211
8200:215	Professional Role Development	2	Acceptance into the clinical program
8200:225	Health Assessment	3	Acceptance into the clinical program
8200:230	Nursing Pharmacology	3	Acceptance into the clinical program
8200:325	Cultural Dimensions in Nursing	2	Acceptance into the clinical program

	<i>Physical Education/Wellness Requirement</i>	1	
Total		16	

3rd Year Fall Semester			
8200:350	Nursing of the Childbearing Family	5	Completion of first year of clinical program
8200:360	Nursing of Older Adults	5	Completion of first year of clinical program
3400:210 or 3400:221	<i>Humanities in the Western Tradition</i> -OR- <i>Humanities in the World Since 1300</i>	4	32 credits, English requirement completed
3600:120	<i>Introduction to Ethics (Humanities Requirement)</i>	3	32 credits, English requirement completed
Total		17	

3rd Year Spring Semester			
8200:370	Nursing of Older Adults	5	Nursing of Older Adults 8200:360
8200:380	Mental Health Nursing	5	Completion of first year of clinical program
3850:100 or 3230:150	<i>Introduction to Sociology</i> -OR- <i>Human Cultures</i>	3	
	<i>Area Studies/Cultural Diversity Requirement</i>	2-3	
Total		15-16	

4th Year Fall Semester			
8200:410	Nursing of Families with Children	5	Completion of second year of clinical program
8200:435	Nursing Research	2	Completion of second year of clinical program
8200:440	Nursing of Communities	5	Completion of second year of clinical program
	<i>Area Studies/Cultural Diversity Requirement</i>	2-3	
Total		14-15	

4th Year Spring Semester			
8200:430	Nursing in Complex/Critical Settings	5	Completion of second year of clinical program
8200:450	Senior Practicum and Nursing Leadership	5	Completion of second year of clinical program
	<i>Humanities Requirement (not from Philosophy/Classics area)</i>	3	3400:210 or 221
Total		13	

	Minimum Credits for Degree	130	
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ALERT: 1) By the end of your first 48 credit hours attempted, you should have completed your General Education English, Math, and Oral Communication (Speech) requirements; 2) By the end of your first 48 credit hours attempted you should have declared a major and transferred to (been accepted by) a degree granting college at The University Akron.

NOTES:

- It is strongly recommended that a student have recent high school algebra and chemistry. If algebra skills need updating, student should see advisor for assistance. If a student has no high school chemistry, 2820:105, Basic Chemistry or 3150:101, Chemistry for Everyone should be taken prior to enrollment in 3150:110 and 111.
- Electives **MAY** be needed to fulfill graduation requirements but are not prerequisites for admission to the college and can be completed anytime prior to graduation.
- The math requirement is 3470:260, Basic Statistics or 3470:250, Stats for Everyday Life. A student may substitute 3470:261, 262, Introduction to Statistics I & II. Either option will fulfill the General math requirement.

SCHOOL OF NURSING REPEAT POLICY (Effective Summer 2004): If School of Nursing Pre-Nursing students or students located in the Center for Academic Advising & Student Success or Summit College do not achieve a C or higher in science prerequisite courses the first time they take them, they are allowed to repeat the course for a change of grade **one time or** (UA policy allows for two repeats for change of grade.) If a student must take a science course for a third time in order to earn grade of "C" or higher, the student will **NO LONGER** be eligible for consideration for the nursing major until the previous science courses are 5 years old. This policy includes the repetition of a course originally taken at another institution or vice versa. Students must be aware that the repeat of a prerequisite science will automatically place them into the 2nd consideration period beginning with the entering sophomore class in 2012 for all new freshmen entering UA fall of 2011 (including transfers) and continuing students in the fall of 2013. From that point forward, any student who has repeated a prerequisite science course including those students who elect to repeat a science course which they have passed successfully ("illegal repeat" of a C

higher) in order to raise their entry GPA, will be placed in the second consideration admission pool, even if they had previously been in the 1st consideration pool.

College of Nursing, Mary Gladwin Hall, Office of Student Affairs, Room 313, (330) 972-5103.

TWO AVENUES OF ADMISSION TO THE SCHOOL OF NURSING:

- 1. Direct Admit/Pre-Nursing:** Students directly admitted to the College of Health Professionals will be advised through the Office of Student Affairs while completing the prerequisite courses. The criteria for direct admission is:
 - New high school graduates (within two years), with a 3.0 high school GPA; 22 ACT or 1030 SAT; and have completed the core curriculum.
 - Transfer Student with a cumulative college GPA of a 3.0 and a minimum of 24 semester hours of prior college course from an accredited college or university.
 - Post-Baccalaureate Students with a minimum baccalaureate GPA of 3.0 from an accredited college or university.
- 2. Intended Nursing Major from the Center for Academic Advising & Student Success or Summit College:** These individuals are not directly admitted to the College of Health Professionals as freshmen or transfer students and complete their prerequisites under the guidance of their home academic advising office. The Spring semester prior to the Fall semester the student wishes to apply to the School of Nursing, an Intercollege Transfer is completed after all prerequisite courses and GPA are in place.

***Background Checks & Fingerprinting: All Nursing students are subject to two thorough criminal background checks prior to program completion & licensure (once at admission & once before graduation). Both background checks may reveal a student's unsealed and sealed criminal record. Further information is available on the School of Nursing website at <http://www3.uakron.edu/nursing/Resources/resources.htm>. Click on PreNursing Student Handbook.

All students admitted to the Sophomore class, by August 1st will begin nursing coursework in the fall and take a six or eight semester course of study. Upon successful completion of the program, the student is granted the Bachelor of Science degree in Nursing. They may then apply to take the National Licensure Examination for Registered Nurses.

TRANSFER STUDENTS: A student must be accepted by the University and have all course work applicable to the Nursing requirements evaluated in writing by the respective UA departments with a copy of the departmental approval on the file by August 1st of the year of entry into School of Nursing. All transfer prerequisites will be combined and averaged with those earned at the University of Akron. *Transfer students who have been dismissed from a Nursing program at another institution are not eligible to apply to The University of Akron's Nursing program.* Transfer students are eligible to Intercollege Transfer to the School of Nursing after completing 12 credits at the University of Akron, completion of one or more core science courses and earning a 3.0 GPA at The University of Akron.

TRANSFER TO THE COLLEGE OF HEALTH PROFESSIONS: To be considered for early admissions to the School of Nursing in the pre-nursing category, a student must complete 12 credit hours, complete either Human Anatomy and Physiology and/or General and Organic BioChemistry I and have an overall 3.0 GPA. For admissions consideration regardless of category students will be required to meet ALL of the following requirements: 2.75 combined prerequisite course GPA, 2.75 sciences prerequisite GPA, and grade of "C" or better in each prerequisite course. Those completing the prerequisites by the end of Spring semester will be considered for full admission into the next Fall class. It is vital that a student is listed as a Nursing major please check with an academic advisor. Transferring to the College of Health Professionals does not guarantee a seat in the clinical program. All prerequisite courses must be completed prior to beginning sophomore level nursing courses.

Eligible students from the Center for Academic Advising & Student Success or College of Applied Science and Technology will be ranked among those students already admitted into the College of Health Professionals using the core science GPA (3150:110,111 Intro to General Organic Biochem I lecture & lab, 3150:112,113 Intro to General Organic Biochem II lecture & lab, 3100:200/201, Human Anatomy & Physiology I lecture & lab, and 3100:202/203, Human Anatomy & Physiology II lecture & lab).

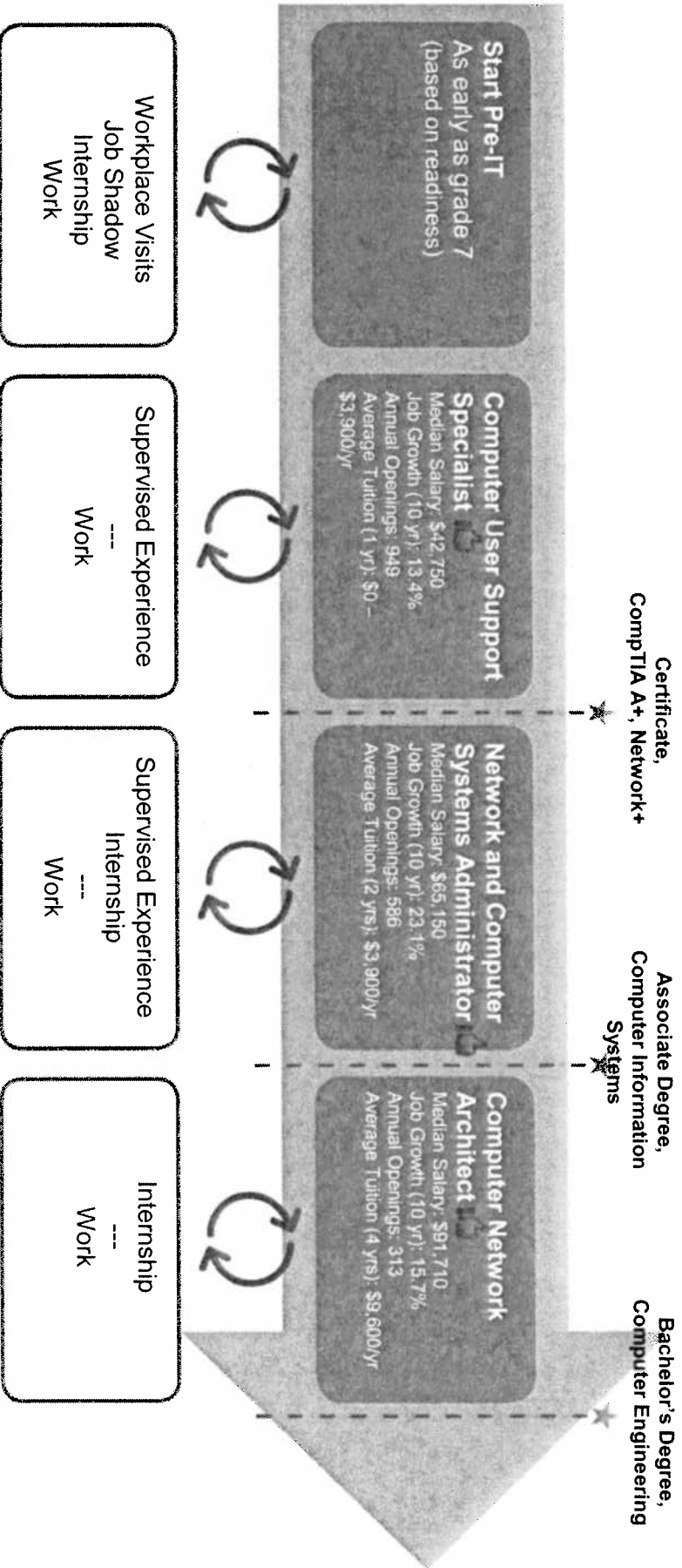
NOTIFICATION OF ADMISSION: Pending the outcome of spring semester, all applicants will be notified of admission by June 30th. **MEETING MINIMUM ADMISSION REQUIREMENTS DOES NOT GUARANTEE ADMISSION.** Qualified students who do not receive admission will be placed on a waiting list which will be in effect through the first week of fall classes.

REAPPLICATION PROCESS: Applications for the College of Health Professions are only effective for the current academic year. A student meeting the minimum entry criteria but not admitted from the waiting list or denied admission will have their file remain in the School of Nursing as a pre-nursing student. These students will need to reapply during the next year's application period.

The School of Nursing reserves the right to approve admission to those individuals whose abilities, attitudes and character promise satisfactory achievement of the program of studies. (Helffrich)



Information Technology 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.

Ohio In-demand Occupations

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

Ohio | Department of Education

Ohio MEANS Jobs

Ohio | Board of Regents
University Systems of Ohio

College of Applied Science and Technology

COMPUTER INFORMATION SYSTEMS 244106AAB

Programming Specialist Option

Associate of Applied Business Degree

http://www.uakron.edu/summitcollege/business_technology/computer-information-systems/index.dot

The following information has official approval of the **College of Applied Science & Technology**, but is intended only as a guide. Official degree requirements are established at the time of admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, the number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.*

Italicized courses fulfill General Education requirements. http://www.uakron.edu/advising/docs/General_Education_Guide.pdf.

1 st Year	Fall Semester	Credit Hours	Prerequisites
2020:121	<i>English</i>	3	Placement by Advisor
2420:104	Intro. to Business in the Global Environment	3	
2440:121	Introduction to Logic/Programming (Note a.)	3	2440:105 or placement test
2440:140	Internet Tools (Note a.)	3	2440:105 or placement test
2440:145	Introduction to Unix/Linux (Note a.)	3	2440:105 or placement test
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
2020:222	<i>Technical Report Writing</i>	3	2020:121 or equivalent
2420:263	<i>Professional Communications and Presentations</i>	3	2020:121 or Permission
7600:106	-OR- <i>Effective Oral Communication</i>		
7600:105	-OR- <i>Introduction to Public Speaking</i>		
2440:170	Visual BASIC (Note a. and c.)	3	2440:121
2440:180	Database Concepts (Note a. and c.)	3	2440:121
2440:160	Java Programming (Note a. and c.)	3	2440:121
Total		15	

2 nd Year	Fall Semester	Credit Hours	Prerequisites
2030:152	Technical Mathematics II AND	2	Placement by Advisor
2030:153	<i>Technical Mathematics III</i>	2	2030:152 (must be passed with C- or better)
or	-OR-		
2030:161	<i>Math for Modern Technology</i>	4	Placement by Advisor
2420:211	Basic Accounting I	3	
2440:241	Systems Analysis and Design (Note a. and b.)	3	2440:170, 2440:180
2440:256	C++ Programming (Note a. and b.)	3	2440:121
2440:210	Client Server Programming (Note a. and b.)	3	2440:180
Total		16	

2 nd Year	Spring Semester	Credit Hours	Prerequisites
2040:240	<i>Human Relations</i>	3	
2420:212	Basic Accounting II	3	2420:211
2040:247	<i>Survey of Basic Economics</i>	3	
2440:234	Business Programming (Note a. and c.)	3	2440:180
2440:251	CIS Projects (Note a. and c.)	3	2440:241
2040:254	<i>Black Experience 1619-1877 -OR-</i>	2	2020:121 or 3300:112 or equivalent
2040:257	<i>Black Experience 1877-1954 -OR-</i>		2020:121 or 3300:112 or equivalent
2040:258	<i>Black Experience 1954 to Present -OR-</i>		2020:121 or 3300:112 or equivalent
2040:256	<i>Diversity in American Society</i>		2020:121 or 3300:112 or equivalent
Total		17	

POLICY ALERT: By the end of your first 48 credit hours attempted, you must have completed your REQUIRED General Education English, Math, and Communications (Speech) requirements

Must have a minimum cumulative GPA of a 2.0 to graduate with this degree

NOTES

- a. All students must receive a "C" or better in each course in his/her major area (2440/2600)
- b. Traditionally Fall Only (See Program Contact)
- c. Traditionally Spring Only (See Program Contact)
- d. Please note additional classes may be needed to transition into the B.S. degree in Computer Information Systems

PROGRAM CONTACT

J. Kropff (jsk3@uakron.edu) or J. Nicholas (jn@uakron.edu)

PROGRAM DESCRIPTION

CIS offers associate and baccalaureate programs that introduce students to basic computing concepts while allowing them to develop the basic skills required to begin a career. Courses start the student along the path for professional certifications. There are options, minors, and certificates available. CIS courses are taught in cutting edge computer labs so students can learn and practice skills.

The CIS program offers high level training for computer programmers and microcomputer application specialists. Schedules offer a range of day, evening and weekend classes.

CAREER INFORMATION

Graduates of the AAS/BS CIS program are expected to qualify for such positions as programmer trainees, programmer/analyst, software developers, computer operators, or network specialists in business, industry and government organizations.

- For additional information please visit the Bureau of Labor Statistics www.bls.gov or visit the Career Center at the Student Union, room 211 <http://www.uakron.edu/career>.

BACHELOR DEGREE PROGRAMS

Computer Information Systems – Networking Option
Computer Information Systems – Industrial Computer Application
Computer Information Systems – Programming Specialist Option
Computer Information Systems – Web Development
Bachelor of Organizational Supervision

TRANSFER TO THE COLLEGE OF APPLIED SCIENCE & TECHNOLOGY (formerly SUMMIT COLLEGE):

A student in University College can complete this transfer process through an appointment with an Academic Adviser, the Academic Advisement Center, Simmons Hall 205, 330-972-7430. Students in other Colleges can complete this transfer process by meeting with an Academic Adviser in the College in which they reside.

(Hoge/Kropff/Nicholas)

ENTREPRENEURSHIP PATHWAY (Stark State)

8th gr: Algebra 1

Freshmen Year

	1st Sem	2nd Sem
1	English 9	
2	Geometry or Algebra I	
3	American History World History	
4	Physical Science	
5	PE 9	OPEN Health
6	Spanish I	
7	Student Success Seminar (1) - any Masters req'd to teach	Comp Apps for Profess'ls (3) - Bach + exp to teach
8	OPEN	OPEN

Take COMPASS or ACT in February for Soph Yr courses

College & Career Tech Skills

Notes

**COLLEGE ACADEMY PATHWAY
(Univ of Akron Wayne College and Findlay)**

Sophomore Year

	1st Sem	2nd Sem
1	English 10	
2	Algebra 2 or Geometry	
3	World History American History	
4	Biology	
5	PE 10	Health Open Elective
6	Spanish 2	
7	Entrepreneurship (3)	Business Admin (3)
8	OPEN	Effective Speaking (3)

Shared instructor via DL?

Junior Year

	1st Sem	2nd Sem
1	College Composition 1 (3)	American Literature (3)
2	Business Analysis w/ Alg (3)	College Algebra (4)
3	American Government	
4	Science - 3rd yr options	
5	Spanish 3	
6	Managing Entrepr Growth (3)	Principles of Mgmt (3)
7	Global Entrepr (3)	Macroeconomics (3)
8	OPEN	OPEN

Junior Year

	1st Sem	2nd Sem
1	UA Comp 1	UA Comp 2
2	UA Precalc	UA Basic Stats
3	UA Govt & US Politics	UA State & Local Govt
4	UA Nat Sci: Bio	
5	UA Spanish 101	UA Spanish 102
6		
7		
8		

Senior Year

	1st Sem	2nd Sem
1	English 12	
2	Science - 3rd or 4th yr options	
3	Human Resource Mgmt (3)	Business Law & Ethics (3)
4	Financial Acct (4)	Managerial Acctg (4)
5	Principles of Mktg (3)	Sales (3)
6	Macroeconomics (3)	Entrepr Practicum (3)
7	OPEN	OPEN
8	OPEN	OPEN

Senior Year

	1st Sem	2nd Sem
1	UA CI & Contemp Lit	UA Fic Apprec
2	UF Calculus	
3	UA Physics 1	UA Physics 2
4	UA PE/CPR-First-Aid	
5	UA Geology module	UA Geology module
6		
7		
8		

*Acctg as 4th Math?

Courses taught DL by shared instructor

*Accounting courses most likely delivered online due to instructor credentials

STARK STATE DUAL ENROLLMENT COURSES

Career Enhancement Certificate

One-Year Certificate

Associate's Degree

blue

blue + green

blue + green + yellow

COURSE	CREDITS	TITLE	OTM	TAG	PRE-REQS	Online	
ENT 120	3	ENTREPRENEURSHIP			COMPASS READING OF 80 OR ACT READING OF 18	X	Year 1 Business Professional
BUS 121	4	BUSINESS ADMINISTRATION			COMPASS READING OF 80 OR ACT READING OF 18	X	Year 1 Business Professional
ENT 124	3	MANAGING ENTREPRENEURIAL GROWTH			ENT120		Year 1 Business Professional
ENT 225	3	GLOBAL ENTREPRENEURSHIP			ENT120		Year 1 Business Professional
SSC 101	1	STUDENT SUCCESS SEMINAR			NONE		Year 1 Business Professional
COM 121	3	EFFECTIVE SPEAKING	OTM	TAG	NONE	X	Year 1 <i>In-house Faculty</i>
ITD 122	3	COMPUTER APP FOR PROFESSIONALS		TAG	COMPUTER TEST OF 18	X	Year 1 Business Professional
MGT 121	3	PRINCIPLES OF MANAGEMENT			BUS121	X	Year 1 Business Professional
BUS 221	3	MICROECONOMICS	OTM	TAG	COMPASS READING OF 80 OR ACT READING OF 18	X	Year 1 Business Professional
BUS 124	4	BUSINESS MATHEMATICS			COMPASS ALGEBRA OF 42 OR ACT MATH OF 20	X	Year 2 <i>In-house Faculty</i>
ENG 124	3	COLLEGE COMPOSITION	OTM		COMPASS WRITING OF 70 OR ACT ENGLISH OF 18	X	Year 2 <i>In-house Faculty</i>
MTH 125	4	COLLEGE ALGEBRA	OTM		COMPASS ALGEBRA OF 54 OR ACT MATH OF 22	X	Year 2 <i>In-house Faculty</i>
ENG 237	3	AMERICAN LITERATURE: 1865 TO PRESENT			ENG124	X	Year 2 <i>In-house Faculty</i>
MKT 121	3	PRINCIPLES OF MARKETING		TAG	BUS221	X	Year 3 Business Professional
ACC 130	3	BUSINESS LAW & ETHICS			NONE	X	Year 3 Business Professional
ACC 132	4	FINANCIAL ACCOUNTING		TAG	BUS123 OR BUS124	X	Year 3 <i>Accounting Professional</i>
ACC 133	4	MANAGERIAL ACCOUNTING		TAG	ACC132	X	Year 3 <i>Accounting Professional</i>
MKT 221	3	SALES			MKT 121		Year 3 Business Professional
BUS 222	3	MACROECONOMICS	OTM	TAG	COMPASS READING OF 80 OR ACT READING OF 18	X	Year 3 Business Professional
ENT 223	3	ENTREPRENEURSHIP PRACTICUM			last semester of program		Year 3 Business Professional
MGT 224	3	HUMAN RESOURCE MANAGEMENT			MGT 121		Year 3 Business Professional

Entrepreneurship Major

The business management entrepreneurship major is designed for those who want to learn more about opportunity recognition and evaluation and new venture start-up and growth. Students in this program participate in courses and seminars staffed by faculty members as well as entrepreneurs and business owners/managers in the local community. Students will have opportunities to learn firsthand what is ne start a new business venture that will add economic and cultural value to the community, and to run an business with an entrepreneurial mindset.

Entrepreneurship One-Year Certificate

Stark State offers a one-year certificate program in entrepreneurship for non-degree-seeking students. may apply credits earned in this certificate program to the business management associate degree pro Students will be awarded a certificate in entrepreneurship upon completion of the courses listed.

For course descriptions [visit here](#).

Associate Degree Course Sequence

Associate Degree Advising Sheet (PDF)

SSC101 Student Success Seminar
 BUS121 Business Administration
 ENT120 Entrepreneurship
 BUS124 Business Analysis with Algebra
 ENG124 College Composition
 HIS122 US History II – from 1877
 ENT121 Entrepreneurial Marketing
 ENT124 Managing Entrepreneurial Growth
 ENT123 Entrepreneurial Accounting
 ENT221 Entrepreneurial Finance
 ITD122 Computer Applications for Professionals
 BUS221 Microeconomics
 MTH106 Math for Technology
 MGT234 Business Plan Development
 MKT221 Sales
 COM121 Effective Speaking or ENG230 Business Communication
 ACC229 Computerized Accounting Applications
 MGT233 Business Leadership
 ENT223 Entrepreneurship Practicum
 ENT224 Entrepreneurial Law
Arts and Humanities Elective
 ENT225 Global Entrepreneurship

TOTAL CREDITS 68

One-Year Certificate Course Sequence

One-Year Certificate Advising Sheet

SSC101 Student Success Seminar
 ENT120 Entrepreneurship
 ENG124 College Composition
 ITD122 Computer Applications for Professionals
 ENT221 Entrepreneurial Finance
 BUS124 Business Analysis with Algebra
 ENT121 Entrepreneurial Marketing
 MGT234 Business Plan Development
 ENT123 Entrepreneurial Accounting
 COM121 Effective Speaking
Arts and Humanities Elective

TOTAL CREDITS 32