



Important Dates

2018

Thursday, March 1 - GPA's for MM3

Tech Prep Showcase – April 12, 2018

Friday, June 1 – Credit Capture forms due to Tech Prep

September to mid-October – Jr. Registration

September through November – Jr. Career Exploration Days

2019

Getting Ready for College Night – February 14, 2019

Tech Prep Showcase – March 16, 2019 (may change)

Math Summit Minutes

Date: Tuesday, March 6, 2018, 8 to 10 AM

Building 6 Room 142

The meeting began at 8:00 a.m. with a welcome by Wendell Meyers, Tech Prep Director, and the attending members giving an introduction and a brief announcement of his/her program's news.

Attendees: Brian Blevins and Katie Johnson, Kettering Fairmont; Brenda Wheat and Mark Fultz, MVCTC; Heather Campbell, Erin Schultz, and Valene Hunter, Butler Tech; Emily Chandler and Joel King, Warren County CC; Marcia Taynor and Teri Armstrong, Springfield-Clark CTC; Craig Birkemeier and David Ericson, Sinclair CC; Wendell Meyers, Josiah Wahlrab, Tim Bryant, and Shirley DeWinter, Tech Prep Consortium.

David Ericson, Associate Professor, Mathematics, presented a visual overhead of the changes in Algebra 1270 and 1370. These two courses are being replaced with three new options:

New	Old	Description
0100	1270	Algebra I
0200	1370	Algebra II
0300	Both 1270 and 1370	Algebra III

For the eLearn shells, each course will have three unit tests and a final. MAT 0300 is a prerequisite for 1400 level math classes.

MAT 1110 - Syllabus will be changing for next year and the Sinclair course will be updating to **Mathematics for the Trades**, Eleventh Edition, by Robert A. Carmen and Hal M. Saunders; Pearson/Prentice Hall. However, there will be no significant change in course content but the homework assignments will not match.

Teachers addressed concerns for David's eLearn tests; first, because they have a shorter time period with the students than David has with his college students. After a discussion it was concluded that David would keep the current number of tests (3 Unit tests and a Final) and shorten the number of questions. Other concerns were high school students doing a make-up test. David will look into adding a password on each test. Another concern was that the questions, charts, and tables do not fit into the students computer screen, the student must scroll back and forth and sometimes the content is just missing. David suggested that the students pull the test into a bigger computer screen. Last, is the concern for formatting tolerance. After a discussion, the solution seemed to be that David needed to add specific directions for formatting (\$, commas, rounding, etc.) with each question. Other comments were the worry of working college content into the present ODE course and passing the course earning a good grade. Most teachers have a wide variety of students in their class, but overall, success in MAT 1110 is increasing. Best of all, students feel that it is useful and that they are successful in a math program. If you have any questions, please call David at 512-3915.

MAT 1130 – Professor James Willis was not present but the same concerns for his eLearn shell were also expressed. In addition, there is no way a teacher can extend the time limit for IEP students. If the Tech Prep teacher had control of opening and closing the test, this could be solved. According to Department policy, this cannot be changed; however, we can look into extending the time on each test.

MAT 1125 - MATH FOR THE CULINARY ARTS & BAKING & PASTRY ARTS PROFESSIONAL (3 SEMESTER HOURS) was a pilot program this year at Sinclair and will be offered to Tech Prep next school year. The present teaching syllabus can be

found on the www.mvtechprep.org web site under Resources, Course Syllabi Document Library, and Proficiency Courses. The Tech Prep Sinclair liaison is Juanita Darden-Jones.

Craig Birkemeier, Assistant Professor, Mathematics, presented a PowerPoint presentation.

MAT 1120 - Syllabus will be changing for next year and the Sinclair course will be updating to **Business Mathematics**, 14th Edition, Clendenen, Salzman, Miller; Prentice Hall. Ten sections are being removed mainly under Banking Services such as checking accounts and reconciliation statements. There will be only four unit tests and no final exam.

Unit 1 – whole numbers, decimals, fractions, percentages, business statistics, and payroll

Unit 2 – Income Tax Withholdings, taxes, and insurance

Unit 3 – Mathematics of buying and selling and simple interest

Unit 4 – Compound interest and business and consumer loans

Due Dates:

Unit 1 – end of October

Unit 2 – end of December

Unit 3 – end of February

Unit 4 – end of April

The new teaching syllabus will be loaded into the eLearn shell, videos require a Flash Player, and most questions (not tables and charts) on the tests are randomized; therefore no two students should have the same test. Tax Tables will not change even though the Federal Tax Table changed in February. The My Math Lab and HW from textbook is for instructor use only. A new wave of Practice Tests will be set up for the instructors by the end of July. Craig will send you a message when ready.

Craig would like to have all courses in MAT 1120 finished by the beginning of May. There is concern that some schools may not be able to finish this early. Wendell Meyers suggested that we extend the deadline to May 30; and if a school wishes to have grades posted for early college registration transcripts, the course needs to finish early in May. This also means that Tim Bryant will have to upload grades by school instead of in one batch. Please contact Craig when you are finished. Call 937-512-2924 or email craig.birkemeier@sinclair.edu Craig, please call Tim Bryant when grades are posted.

In the teachers' feedback, it was reported that there is no need to change length of tests. Students are now loving math and saying "this is something that I can use." Teachers appreciated Craig large tolerance in answers.

"How can a student see what he/she missed?" In the eLearn shell, click on **Progress**, from the drop down menu select **User Progress**, and then click on **Quizzes** on the left. Next, select "**details.**" Once this procedure was displayed a concern arose that students would print the answers and pass on to the next class. Is there a way that you can take this away from the student and give the access to the teacher?

Tim Bryant explained Account Request for new instructors. You must have a Sinclair account to log in to an eLearn shell. All accounts are automatically renewed by Tim. Your account runs from July 1 to July 1. Please send you class list to Tim in a spreadsheet with First Name, Last Name and Date of Birth. Tim will then send you a spreadsheet with each student's Tartan ID, Sinclair email address and last four digits of Social Security Number. He will also include a document that explains how to log on to my.sinclair.edu.

Once again, eLearn students must respond with a "Yes" or "No" for their grade to move forward to the Records Office. Deadline for eLearn Credit Capture is June 1. Tim's priority will be focused on the seniors. All eLearn grades of A, B or C will go forward to a college transcript.

Josiah Wahlrab explained the new Credit Capture. Students will navigate to <http://mvtechprep.org> and look for the link to the instructional video. This link is not yet posted, but coming soon.

Wendell Meyers concluded the meeting with the importance of giving Business and Industry the skilled employees that they need to operate and that the requirement of either MAT 1110, MAT 1120, and MAT 1130 is embedded in many Associate Degrees. An in-depth spreadsheet was handed out. Wendell emphasized Kettering Fairmont's success story with MAT 1110, 1120, and 1130. He also mentioned that these courses were not for all students because they are not NCAA approved courses.

Announcements:

Sinclair is launching 4-yr degrees in Unmanned Aerial Systems, Industrial Automation, and Advanced Manufacturing.

Welcome new employees Joey Marshall, Megan O'Toole, and Lindsay Pitstick.

"Success Bound" Friday, May 4 from 8:30 AM to 1 PM Sinclair Conference Center, Building 12. Details to follow soon.

Welcome to the Spring Math Perkins Stakeholder Summit

Please **sign-in!**

Wifi:

Username: angel.training

Password: Sinclair19

Housekeeping

- Sign In
- Parking Pass
- Bathrooms
- Agenda

Teaching Sinclair Math Courses in High School

$$\begin{array}{c} 2 > -3 \\ 0.999\dots = 1 \\ \pi \approx 3.14 \\ \sqrt{2} \\ 5(2+2) \\ 101_2 = 5_{10} \end{array} \quad \begin{array}{c} \infty \\ \times \\ \div \\ + \\ - \end{array}$$

The Rule Change...

- ODHE now requires degree-specific math courses for most majors
- MAT 1270 & MAT 1370 being phased out
- Three new math courses added to Tech Prep College Credit Options:
 - MAT 1110: Math for Technologists
 - MAT 1120: Business Math
 - MAT 1130: Allied Health Math

Some Associate Degree Programs Which Require These Courses...

MAT 1110

- Automotive Tech
- Aviation
- CAM/CNC
- CAM/Precision Machining

MAT 1120

- BIS/Medical Office
- Business
- Criminal Justice
- Science/Law Enforcement
- Early Childhood Education
- Hospitality Management & Tourism
- Mental Health Technology
- Paralegal
- Real Estate
- VIS COM
- PTA
- Fire Administration

MAT 1130

- Dental
- Exercise Science
- Human Services
- Medical Assisting
- Nursing
- OTA
- Vet Tech
- EMS/Fire Science

Why Did Kettering Fairmont Want to Add These Courses?

- Helpful to kids - less college time and \$\$
 - At the very least we are making their next attempt at the course easier
- Virtually free to offer
- Kids now love math class
- Viable option for “Algebra II or its equivalent” fourth math course

Kettering Success Story

- 2016-17
 - 2 sections of Business Math (MAT 1120)
 - 26 Tech Prep students
 - 18 earned credit (69%)
- 2017-18
 - 6 sections of Business Math (MAT 1120)
 - 120 students (47 Tech Prep students)
 - 79% have at least a 75% after 3 tests
 - 2 sections of Math for Technologists (MAT 1110)
 - 41 students (21 Tech Prep students)
 - Teacher feels at least 76% will earn credit
- 2018-19
 - Adding Allied Health Math (MAT 1130) - pending sign-ups



Student & Teacher Comments

- Students

- “I’ve never liked math before.”
- “I just learned that I think I got ripped off on my car loan.”
- “This is honestly the best math class I have ever taken. I also think it’s easy because its so relevant to what I learn in Auto.”

- Teachers

- “I’m so impressed by how how the students work to earn the Sinclair credit and how seriously they take it.

Manageable Hurdles (& your response)



- Some students leaving higher-level math courses - college cost savings
- Not NCAA approved courses - these courses are not for all students
- Cost of textbooks - math books are always expensive
 - MAT 1110 - \$177.33
 - MAT 1120 - \$177.53
 - MAT 1130 - \$117.33
- Math department not on board - What class are you delivering for the 4th math credit and how will students do?
 - Syllabi
 - [MAT 1110](#)
 - [MAT 1120](#)
 - [MAT 1130](#)
- We can't have career tech specific math – Blended classes work well



Degree/Certificate/Short-term Certificate	MAT 1110	MAT 1120	MAT 1125	MAT 1130	MAT 1470	MAT 1580	OTM (Ohio Transfer Module)
Degrees							
Automotive Technology (AUT.S.AAS)	X						
Automotive Technology - CHRY CAP (CAP.S.AAS)	X						
Automotive Technology - GM ASEP (ASEP.S.AAS)	X						
Automotive Technology - Honda PACT (AUTHA.S.AAS)	X						
Aviation Airframe Maintenance Technology (AVIAO.S.AAS)	X						
Aviation Powerplant Maintenance Technology (AVIAP.S.AAS)	X						
Computer Aided Manufacturing/CNC Technology (CAMCT.S.AAS)	X						
Computer Aided Manufacturing/Precision Machining (CAMPM.S.AAS)	X						
Interior Design (IND.S.AAS)	X	or X					or OTM
Visual Communications (VIS.S.AAS)	X	or X					or OTM
Certificates							
Water Utility Technician (WUT.S.CRT)	X						
Short Term Certificates							
Food Production Specialist (FPS.S.STC)	X						

4 Year Degrees

- Unmanned Aerial Systems
- Industrial Automation
- Advanced Manufacturing

New Employees

Joey Marshall



Megan O'Toole



Lindsay Pitstick





WEST REGION

SAVE THE DATE!

When: Friday, May 4th from 9:00AM-3:00PM

Where: Sinclair Conference Center, Building 12

Details, along registration information will follow soon!





End of Year Data

- MM3
- Scholarship packets
- Enrollment Finalization
- Credit Capture

eLearn Credit Capture

- Students provide permission via Tech Prep portal by **June 1, 2018**
- How?
- Tips & Tricks

Credit Capture Forms

- Credit capture forms created
 - 2017-18 school year
- Entering grades
 - Articulated = “Y”
 - Proficiency = “A#, B# or C#”
 - *PLTW = “A# or B#” grades only + EoC (Stanine Score) of “6” or higher*
- Supportive documentation required
 - ALH 1130 & ALH 1132 – Copies of CPR Cards
 - ALH 1120 – STNA registry numbers and/or copy of STNA card
 - NCCER certification card and/or card numbers

Health Science - Nursing Articulated Form

ALH 1120 - Nurse Aide Training (STNA)		ALH 1130 - Basic Life Support (BLS) Training by American Heart Association
Registry Number	Expiration Date	"Y" Grade or leave blank for no credit
402040980218	2/3/2020	Y

PLTW Form

MET 1231 - Intro to Drafting & Design w/Inventor (IED)	
Grade	Stanine Score
A#	6

Construction Articulated Form

CAT 1810 - Construction Techniques I (NCCER Core)
NCCER Card #
2781481

Credit Capture Forms

- Student Signature
 - *Required* for all Articulated forms
 - *Not required* for PLTW forms
- Submission
 - Scan forms & supportive documentation & upload to the Tech Prep portal
 - Arrange for pick-up or drop-off
- Forms are due **June 1st, 2018**
- Questions or concerns?
 - 937-512-2406 or timothy.bryant@sinclair.edu

Student Signature

Please have the student sign here. A signature is a "YES" saying for the course grade listed to be transcribed to the student's Sinclair Transcript. A non-signature will indicate a "NO", the student does not want the credit posted.

John Smith

Jennifer Williams

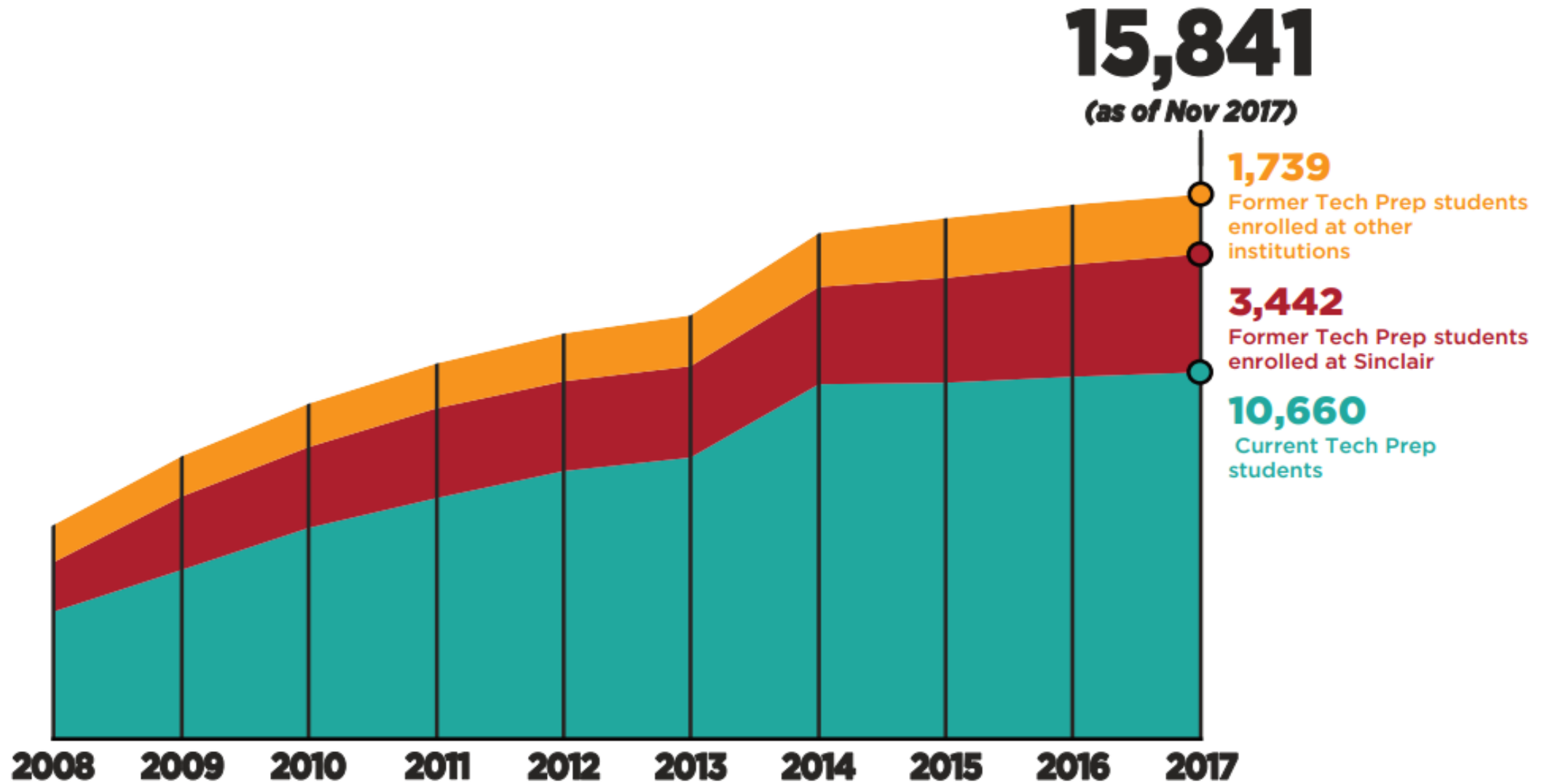
Alignment to Sinclair's Strategic Focus



Increasing the # of TP Students who Matriculate to Sinclair

- Increasing postsecondary persistence and completion
- Lowering out-of-pocket higher education costs for students
- Diversifying the college-going population
- Developing more career focus with internal partners to support CTE students

Miami Valley Tech Prep Annual Fall Student Enrollment: 2017



Fast Facts

70

Partner high schools

10,698

High school student enrollment

3,328

Sinclair Tech Prep scholarships awarded to seniors in AY2016

\$10M

Potential Sinclair scholarship awards available for 2016 Tech Prep graduates

9,700

Number of semester hours of Sinclair-based college credits awarded

302

2015-2016 graduates awarded Summer BOGO scholarships

5,045

High school students that attended Career Exploration Days

Personnel Facts

413+

High School **partner**
teachers

21

Professional development
meetings

41

Contracted Sinclair **faculty**
liaisons

8

Full-time **staff**
(2 Part-time)



MIAMI VALLEY
TECHPREP
CONSORTIUM

TECH PREP SCHOLARSHIP

Want options? No problem!
Recipients may use their award to pursue
***ANY** Sinclair program!*

- Must complete high school program with 2.25 or higher GPA
- Must complete FAFSA
- Over 220 certificates and degrees to choose from!

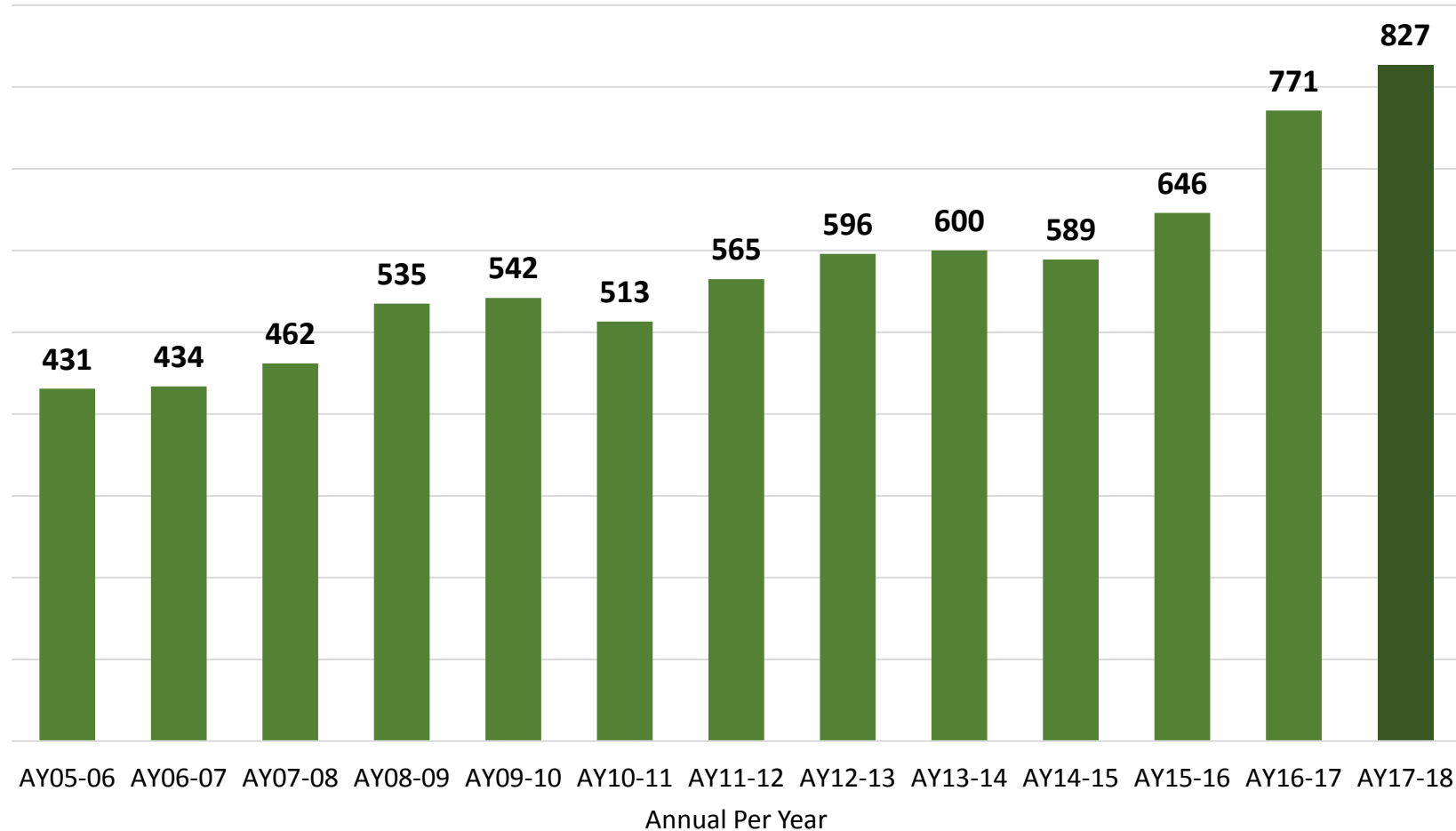
Effective Fall 2017! • May be used for developmental courses aligning with Federal Financial Aid guidelines

For more information, check us out online: www.mvtechprep.org

Sinclair Foundation Miami Valley Tech Prep Scholarships

Grand Total: \$8.8 Million

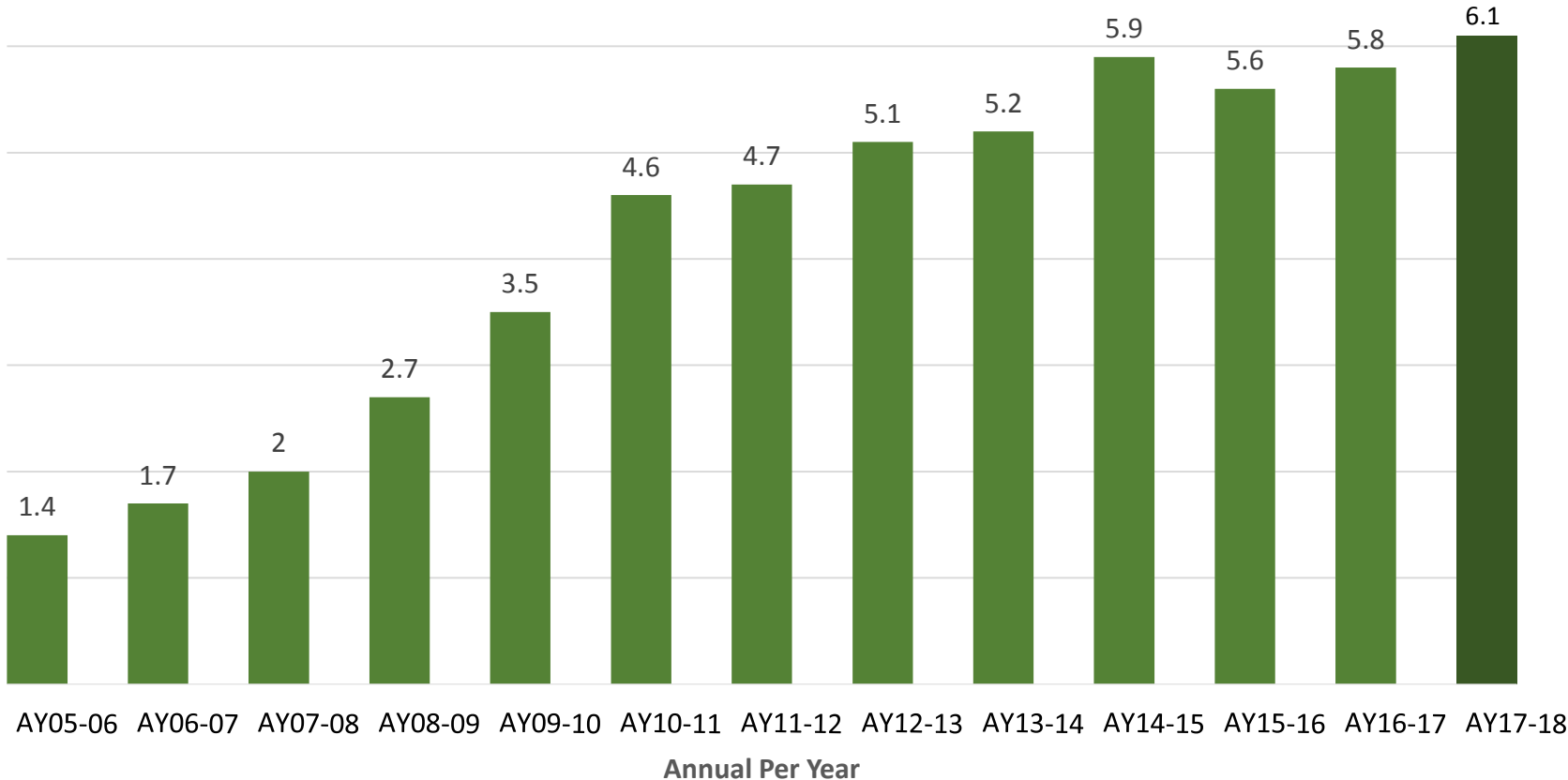
*Dollars in
hundreds of
thousands



Total Scholarships and Grants Disbursed to Miami Valley Tech Prep Students Enrolled at Sinclair

Grand Total: \$54.3 Million

*Dollars in millions



TECH PREP STUDENTS



This summer at Sinclair, Tech Prep graduates can register for one class and get another at no cost.*

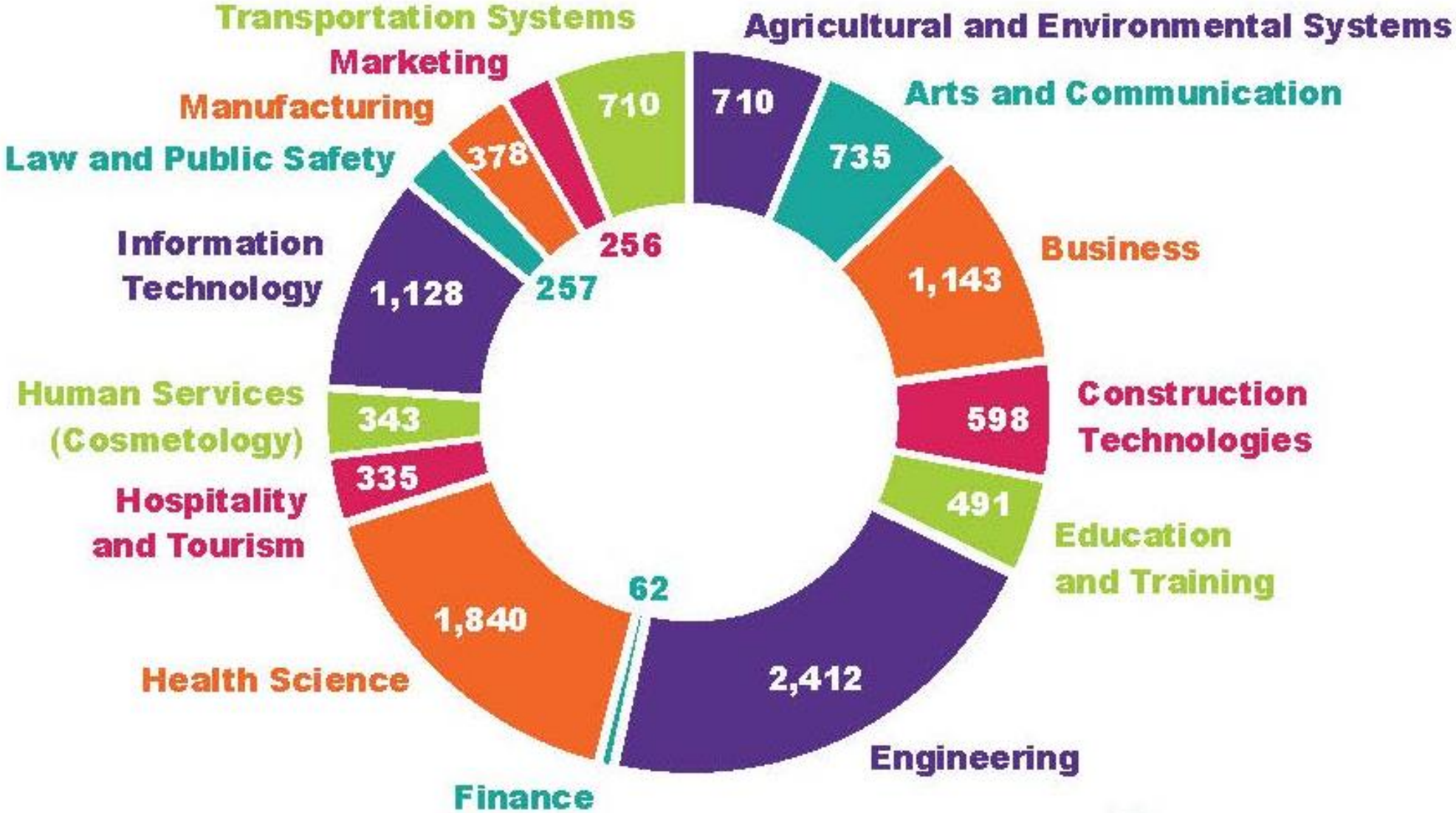
**No cost to the student. Tuition covered by scholarship dollars in the amount of \$300 scholarship (in county) and \$450 scholarship (out of county).*

Summer Registration Begins March 26, 2018

To qualify, you must:

- Be a Tech Prep high school graduate in 2017 or 2018
- Meet with your Academic Advisor
Go to www.sinclair.edu/academic-advising to schedule your appointment.
- Register for a minimum of 6 credit hours for summer semester

Tech Prep Student Participation by Pathway



QUESTIONS

Mathematics Requirements*

(2017-18 Catalog)

Degree/Certificate/Short-term Certificate	MAT 1110	MAT 1120	MAT 1125	MAT 1130	MAT 1470	MAT 1580	OTM (Ohio Transfer Module)
Degrees							
Automotive Technology (AUT.S.AAS)	X						
Automotive Technology - CHRY CAP (CAP.S.AAS)	X						
Automotive Technology – GM ASEP (ASEP.S.AAS)	X						
Automotive Technology – Honda PACT (AUTHA.S.AAS)	X						
Aviation Airframe Maintenance Technology (AVIAO.S.AAS)	X						
Aviation Powerplant Maintenance Technology (AVIAP.S.AAS)	X						
Computer Aided Manufacturing/CNC Technology (CAMCT.S.AAS)	X						
Computer Aided Manufacturing/Precision Machining (CAMPM.S.AAS)	X						
Interior Design (IND.S.AAS)	X	or X					or OTM
Visual Communications (VIS.S.AAS)	X	or X					or OTM
Certificates							
Water Utility Technician (WUT.S.CRT)	X						
Short Term Certificates							
Food Production Specialist (FPS.S.STC)	X						

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Mathematics Requirements*

(2017-18 Catalog)

Degree/Certificate/Short-term Certificate	MAT 1110	MAT 1120	MAT 1125	MAT 1130	MAT 1470	MAT 1580	OTM (Ohio Transfer Module)
Degrees							
Applied Psychology (PSY.S.AAS)		X					or OTM
Business Information Systems (BIS.S.AAS)		X					or OTM
Business Information Systems/Medical Office (BIMO.S.AAS)		X					
Business Information Systems – Personal Computer Applications (BIPCA.S.AAS)		X					
Business Management (GBM.S.AAS)		X					or OTM
Business Management/Digital Marketing (MRK.S.AAS)		X					or OTM
Business Management – Entrepreneurship (ENTR.S.AAS)		X					or OTM
Business Management/Supply Chain Management (SCM.S.AAS)		X					or OTM
Computer Information System/Network Engineer (NEEN.S.AAS)		X					or OTM
Computer Information System/Secure System Administration (NEMA.S.AAS)		X					or OTM
Computer Information Systems/Software Development (SODE.S.AAS)		X					or OTM
Computer Information Systems/Web Development (WEDE.S.AAS)		X					or OTM
Computer Information Systems/User Support (USSU.S.AAS)		X					or OTM
Criminal Justice Science – Corrections (CJCO.S.AAS)		X					or OTM
Criminal Justice Science – Law Enforcement (CJLE.S.AAS)		X					or OTM
Cyber Investigation Technology (CYIT.S.AAS)		X					or OTM
Early Childhood Education (ECE.S.AAS)		X					or OTM

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(2017-18 Catalog)

Degree/Certificate/Short-term Certificate	MAT 1110	MAT 1120	MAT 1125	MAT 1130	MAT 1470	MAT 1580	OTM (Ohio Transfer Module)
Degrees							
Fire Science Technology/Fire Administration (FAO.S.AAS)		X					or OTM
Health Sciences (HS.S.AAS)		X		X or MAT 1450	or X		
Hospitality Management & Tourism (HMTT.S.AAS)		X					or OTM
Hospitality Management & Tourism – Lodging and Tourism (HMTTL.S.AAS)		X					or OTM
Hospitality Management & Tourism – Meeting and Event Planning (HMTTM.S.AAS)		X					or OTM
Paralegal (PAR.S.AAS)		X					
Physical Therapist Assistant (PTA.S.AAS)		X			or X		
Real Estate (RES.S.AAS)		X					
Certificates							
Business Information Systems – Information Processing (BUIP.S.CRT)		X					
Business Information Systems – Medical Office Specialist (BUMS.S.CRT)		X					
Large Animal Sciences (LAS.S.CRT)		X	or X				or OTM
Short Term Certificates							
Large Animal Care & Handling (LACH.S.STC)		X	or X				or OTM
Photographic Technology (PHOT.S.STC)		X					or OTM

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Mathematics Requirements*

(2017-18 Catalog)

Degree/Certificate/Short-term Certificate	MAT 1110	MAT 1120	MAT 1125	MAT 1130	MAT 1470	MAT 1580	OTM (Ohio Transfer Module)
Degrees							
Hospitality Management & Tourism – Bakery and Pastry Arts (BPAO.S.AAS)			X				
Hospitality Management & Tourism – Culinary Arts (CAO.S.AAS)			X				
Certificates							
Food Service Management (FSM.S.CRT)			X				or OTM
Degrees							
Addiction Services (MHTCD.S.AAS)				X			or OTM
Dental Hygiene (DEH.S.AAS)				X			
Dietetic Technician (DIT.S.AAS)				X			or OTM
Electroneurodiagnostic Technology (END.S.AAS)				X or MAT 1450			
Emergency Medical Services (EMSV.S.AAS)				X or MAT 1445			
Emergency Medical Services – Fire Science (EMSFO.S.AAS)				X or MAT 1445			
Exercise Science (EXSC.S.AAS)				X			
Health Information Management (HIM.S.AAS)				X			or OTM
Human Services (MHT.S.AAS)				X			or OTM
Medical Assistant Technology (MAS.S.AAS)				X			
Nursing (NUR.S.AAS)				X			
Occupational Therapy Assistant (OTA.S.AAS)				X			
Public Health (PH.S.AAS)				X			or OTM
Respiratory Care (RET.S.AAS)				X			or OTM
Surgical Technology (SUT.S.AAS)				X			
Veterinary Technology (VET.S.AAS)				X			

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Mathematics Requirements*

(2017-18 Catalog)

Degree/Certificate/Short-term Certificate	MAT 1110	MAT 1120	MAT 1125	MAT 1130	MAT 1470	MAT 1580	OTM (Ohio Transfer Module)
Certificates							
Advanced Pharmacy Technician (APT.S.CRT)				X or MAT 1445	or X		
Short Term Certificates							
Clinical Lab Assistant (SP.S.STC)				X	or X		
Pharmacy Technician (PHT.S.STC)				X			or OTM
Reimbursement Specialist (RMS.S.STC)				X			
Tissue Banking Technology (TBT.S.STC)				X			
Degrees							
Architectural Technology (ARC.S.AAS)					X and MAT 1570	or X	
Aviation Technology (AVIAT.S.AAS)					X and MAT 1570		
Aviation Technology/Professional Pilot & Airway Science (APPAO.S.AAS)					X and MAT 1570		
Biotechnology (BTN.S.AAS)					X		
Civil Engineering Technology (CEGT.S.AAS)					X and MAT 1570	or X	
Clinical Laboratory Technology (CLT.S.AAS)					X		
Construction Management Technology (CMO.S.AAS)					X and MAT 1570		or OTM

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Mathematics Requirements*

(2017-18 Catalog)

Degree/Certificate/Short-term Certificate	MAT 1110	MAT 1120	MAT 1125	MAT 1130	MAT 1470	MAT 1580	OTM (Ohio Transfer Module)
Degrees							
Environmental Engineering Technology (EVT.S.AAS)					X and MAT 1570	or X	
Geospatial Technology (GST.S.AAS)					X		
Heat, Vent, Air Cond & Refrigeration Engineering Technology (HVACR.S.AAS)					X and MAT 1570	or X	
Interpreter Education (ASL.S.AAS)					X or MAT 1445		
Mechanical Engineering Technology (MEGT.S.AAS)					X and MAT 1570	or X	
Radiologic Technology (RAT.S.AAS)					X		
Unmanned Aerial Systems (UAS.S.AAS)					X and MAT 1570		
Certificates							
Bioscience Lab Skills (BLS.S.CRT)					X		
Unmanned Aerial Systems (UAS.S.CRT)					X		
Degrees							
Automation & Control Technology with Robotics (AMCT.S.AAS)						X	
Electronics Engineering Technology (EET.S.AAS)						X	
Electronics Engineering Technology/Computer Engineering (CETT.S.AAS)						X	
Industrial Engineering Technology (OPTIO.S.AAS)						X	

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Mathematics Requirements*

(2017-18 Catalog)

Degree/Certificate/Short-term Certificate	MAT 1110	MAT 1120	MAT 1125	MAT 1130	MAT 1470	MAT 1580	OTM (Ohio Transfer Module)
Certificates							
Mechanical Drafter (MEDRAFT.S.CRT)						X	
Quality Control Technology (QCT.S.CRT)						X	
Surveying (SUR.S.CRT)						X	
Degrees							
Fire Engineering Technology (FST.S.AAS) 7 credit hours							Only
Short Term Certificates							
General Education (GEC.S.STC)							OTM or MAT 1445
Individualized Programs							
Associate of Technical Study (ATS.S.ATS)							Only

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