

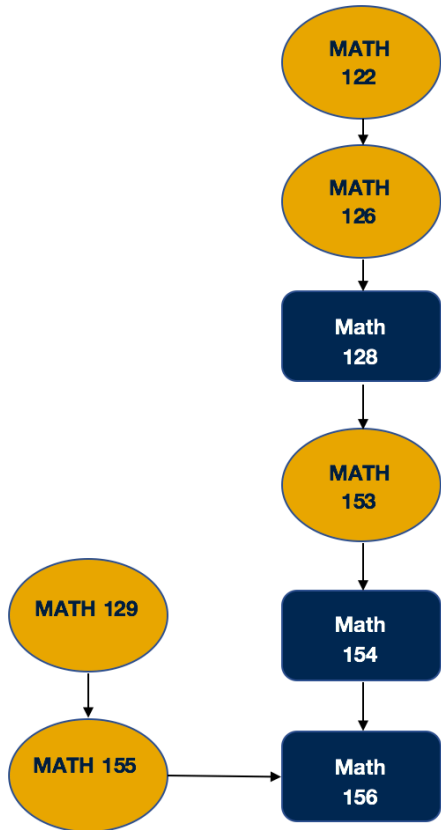
Math Harmonization and related news

STEM ADVISING NEWS ... HOT OFF THE PRESS...

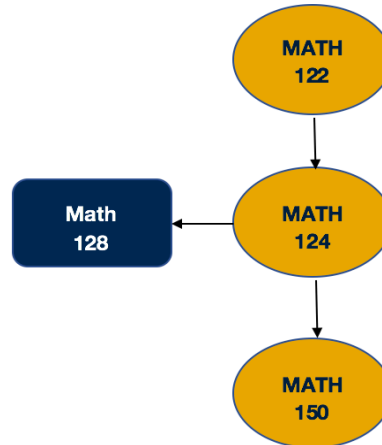
Math Placement Flowcharts

In the charts below, gold courses can be placed into, but blue courses cannot. Clear courses require no placement. Students can alter their path by placing via ALEKS.

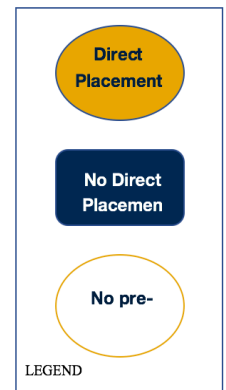
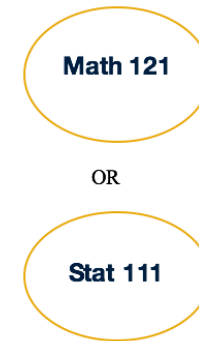
Calculus Track



Applied Algebra/Applied Calculus Track



Non-Algebra/Non-Calculus Track



MATH 122

- Students with a MATH ACT 19 or higher, MATH SAT 460/500 or above can take the course
- Students with scores below these benchmarks will need to place via ALEKS

College Algebra

Currently:

- **MATH 126A** : small expensive sections for non-calculus bound students
- **MATH 126B**: large sections for calculus-bound students
- **MATH 126C**: transfer and ACCESS College Algebra

Harmonization Fall 2018

MATH 124

- Algebra with Applications
- Large lectures
- Pre-requisites: MATH 122 with a C-, or SAT 540/570 ACT 22
- Sections are major restricted (non-STEM majors)
- Leads to MATH 128 or MATH 150
- BIOL and PSYC B.A.

MATH 126

- College Algebra
- Small lecture format
- Pre-requisites: MATH 122 with a C-, or SAT 540/570 ACT 22
- Sections are major restricted (STEM majors)
- Leads to MATH 128, then Math 153
- BIOL and PSYC B.S.

Transition Fall 2017 & Spring 2018

MATH 126B (Future 124)

- Algebra with Applications
- Large lectures
- Pre-requisites: MATH 122 with a C-, or SAT 540/570 ACT 22
- Sections are major restricted (non-STEM majors)
- Leads to MATH 128 or MATH 150
- Sections numbered below 100

MATH 126B (Future 126)

- College Algebra
- Small lecture format
- Pre-requisites: MATH 122 with a C-, or SAT 540/570 ACT 22
- Sections are major restricted (STEM majors)
- Leads to MATH 128, then Math 153
- Sections numbered above 100

STEM ADVISING NEWS ... HOT OFF THE PRESS...

Sections For **Restrictions:**
 May not be enrolled in one of the following Fields of Study (Major, Minor, Concentration, or Certificate):

CRN	Su	Field of Study	Type	Days	Time	Cap	Act	Ren	
82518	MA	Aerospace Engineering	4-Day	L	MWF	10:00 am-10:50 am	100	0	100
		Biochemistry							
		Biomedical Engineering							
		Biometric Systems							
		Chemical Engineering							
		Chemistry							
		Civil Engineering							
		Computer Engineering							
		Computer Science							
		Electrical Engineering							
		Energy Systems Engineering							
		Engineering							
		Engineering - Non Degree							
		Engineering Track 1							
		Engineering Track 2							
		Engineering Track 3							
		Forensic & Investigative Sci							
		General Engineering							
		Geology							
		Industrial Engineering							
		Industrial Hygiene							
		Industrial Math & Statistics							
		Material Science and Engr							
		Math/Secondary Education							
		Mathematics							
		Mechanical Engineering							
		Mineral Engineering							
		Mineral Processing Engineering							
		Mineral and Energy Resources							
		Mining Engineering							
		Petroleum & Natural Gas Engr							
		Physics							
		Pre Engineering							
		Pre-Biometric Systems							
		Pre-Chemistry							
		Pre-Computer Science							
		Pre-Engineering							
		Pre-Forensic & Invstgtv Sci							
		Pre-Mathematics							
		Pre-Pharmacy							
		Pre-Physical Sciences							
		Safety Management							
		Software Engineering							

Below is the restriction. If you meet the requirements, permission is not needed. If you do not meet the requirements, contact the department that offers the course for permission.

Restrictions:
 Must be enrolled in one of the following Fields of Study (Major, Minor, Concentration, or Certificate):

- Aerospace Engineering
- Animal & Nutritional Sciences
- Biochemistry
- Biology
- Biomedical Engineering
- Biometric Systems
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Energy Systems Engineering
- Engineering
- Engineering - Non Degree
- Engineering Track 1
- Engineering Track 2
- Engineering Track 3
- Forensic & Investigative Sci
- General Engineering
- Geology
- Industrial Engineering
- Industrial Hygiene
- Industrial Math & Statistics
- Industrial Science and Engr
- Math/Secondary Education
- Mathematics
- Mechanical Engineering

MATH 128 -- TRIGONOMETRY

FALL 2017 & SPRING 2018

- Pre-requisite:
 - MATH 126A, B, C with a C- or better
- No possibility of placement

FALL 2018

- Pre-requisite:
 - MATH 126 or Math 124 with a C-
 - Possibility of placement in the future

MATH 129 -- PRECALCULUS

CURRENTLY

- Pre-requisite:
 - MATH 126B, with a B- or better
- Placement:
 - ALEKS
 - ACT/SAT placement

SPRING 2018 AND FOREVER AFTER

- Pre-requisite:
 - No pre-requisite class
- Placement only:
 - ALEKS
 - ACT/SAT placement

MATH 150 – Applied Calculus

SPRING 2018

- Pre-requisite:
 - MATH 126A, B, C with a C- or better
- Placement:
 - ALEKS
 - ACT/SAT placement

FALL 2018

- Pre-requisite:
 - MATH 124 or MATH 126 with a C-, or higher
- Placement:
 - ALEKS
 - ACT/SAT placement

MATH 153 – Calculus 1A with Pre-Calc

SPRING 2018

- Pre-requisite:
 - MATH 126A, B, C and MATH 128
- Placement:
 - ALEKS
 - ACT/SAT placement

FALL 2018

- Pre-requisite:
 - MATH 126 and MATH 128
- Placement:
 - ALEKS
 - ACT/SAT placement

TRANSIENT AND TRANSFER

- At the end of the fall 2017, we will no longer use TES.
- Process has begun to build a system from Banner, with a web-based product called TESS.
- ALL transfer courses will be reevaluated by each department.
- Open credits can have attributes.
- Thank you for your patience and your evaluations.

PLACEMENT QUICK FACTS

- QRA scores will be purged from Banner by 201808
- ALEKS scores are only good for a year
 - Why? In order to place students accurately, placement scores must be recent

ALEKS and Admitted Students

- Admissions and MATH websites are linked
 - Admissions: students can enter their major and find the MATH they need
 - MATH: students can enter their ID and find their placement based on current information

NSO

- After students register for NSO, they will receive communications from Admissions
- Students are encouraged to
 - Take a practice test (un-proctored) before NSO
 - Take a proctored test before NSO
 - Visitation days, Open Houses
 - Overnight
- ALEKS will be offered every day

ALEKS AND CURRENT STUDENTS

- Issues with students taking the test and dropping a class
- Solution:
 - ALEKS is used for initial placement only.
 - If students have utilized all three (one practice and two proctored) attempts and do not place into a class, we refer them to boot camp (please see <https://math.wvu.edu/bootcamp>). Bootcamp can only be attempted once.
 - After placing into a course, a student can no longer take ALEKS, but has to follow the Math path.