

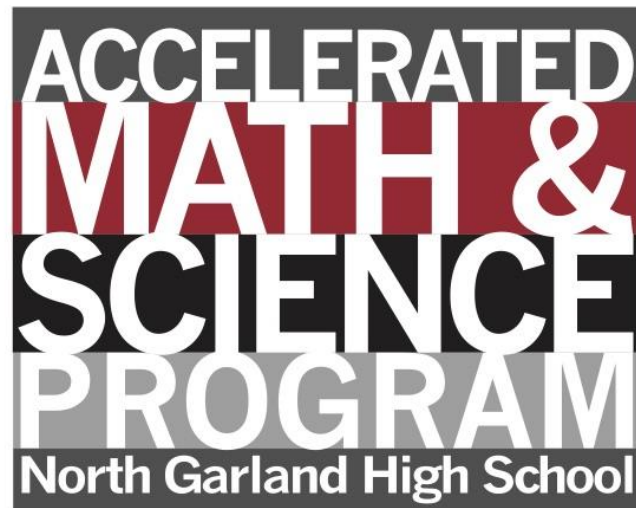
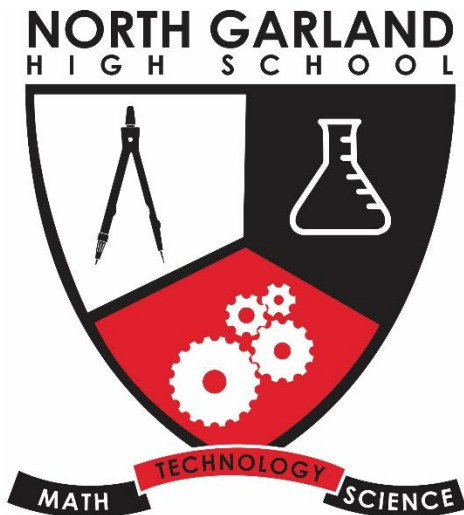
NORTH GARLAND HS

MATH, SCIENCE & TECHNOLOGY MAGNET

ACCELERATED MATH & SCIENCE PROGRAM

PATHWAYS IN TECHNOLOGY EARLY COLLEGE HIGH SCHOOL

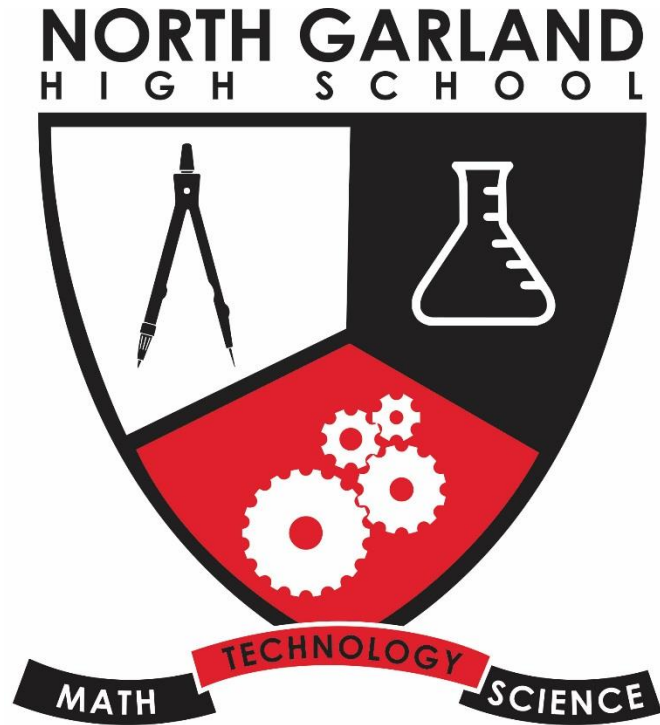
EARLY COLLEGE HIGH SCHOOL



Promotion Video

- [NGHS Video](#)





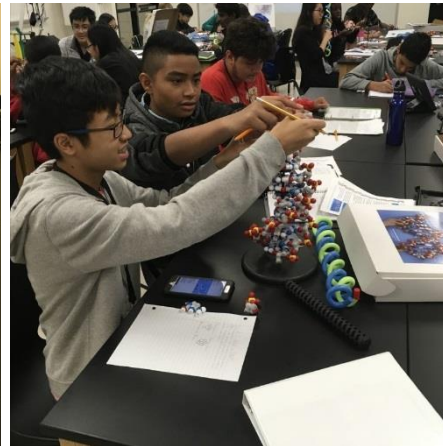
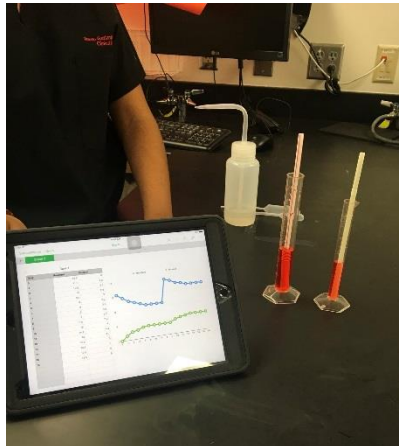
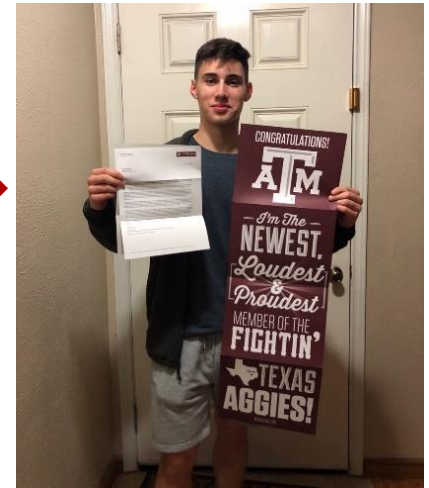


MST PROGRAM

WHY SHOULD I BE IN MST?

Texas A&M College of
Engineering Acceptance Letter

- Designed to assist you in reaching college and career goals 
- Weighted grade points awarded for most MST courses
- Hands-on classes utilizing new technology 



WHY SHOULD I BE IN MST?

- Courses can lead to certifications and internships →
- Dual Credit courses with Richland College and El Centro College and AP courses
- Bus transportation is provided for all MST and/or AMS students living two or more miles away
- College Tours



UT Dallas



Baylor



Texas A&M

High School MST Courses

Every Year:

- Honors or AP Math
 - Honors or AP Science
 - Career Endorsement Class
-
- English and Social Studies can be honors/AP or on-level; that's up to you.

ENDORSEMENTS EXPLAINED

- An endorsement is like a career path or area of focus. Students earn an endorsement by completing a clear sequence of courses in one of the five endorsement areas: STEM, Business and Industry, Public Services, Arts and Humanities, and Multidisciplinary Studies.
- 8th grade students select an endorsement in the spring when they meet with their counselor to create a Personal Graduation Plan (PGP) for high school. Students may choose more than one endorsement or change their initial endorsement at a later time. At this time, they will also choose their MST Pathway course sequence.
- Many endorsement course sequences may be satisfied by courses in Career and Technical Education (CTE) career clusters. This is where your MST “Pathway” comes in. MST pathways include Medical, Biomedical, Engineering, Architecture, Multimedia, Multimedia Broadcast, and Computer Science. These pathways fall under one of the Endorsement categories. For example, Engineering would fall under STEM, whereas Architecture can fall under Business and Industry.

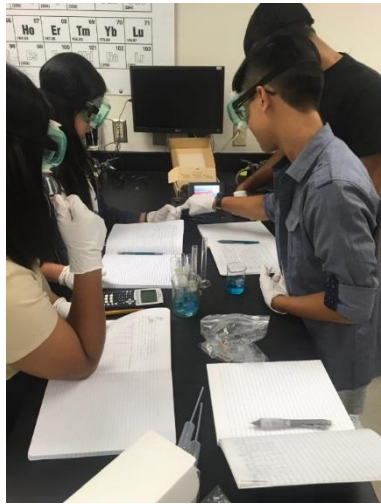
COURSE PATHWAYS OFFERED

- **ARCHITECTURE** (Business and Industry Endorsement)
- **COMPUTER SCIENCE** (STEM Endorsement)
- **ENGINEERING** (Business and Industry or STEM)
- **MEDICAL** (Public Service or STEM)
- **MULTIMEDIA** (Business and Industry)
- **MULTIMEDIA BROADCAST** (Business and Industry)
- **IT NETWORKING** (Business and Industry)

MEDICAL CAREER ENDORSEMENTS OFFERED

BIOMEDICAL SCIENCE (Project Lead the Way)

- Forensics, Prosthetics, Diagnosing



AP Chemistry

MEDICAL ACADEMIC

- Work toward university and medical school: Medical classes and more science

Crime Scene



MEDICAL TECHNICAL

- Work toward a certification: Pharmacy Tech, Sports Medicine, Phlebotomy, Patient Care Tech



Medical Helicopter

COMPUTER CAREER ENDORSEMENTS

- COMPUTER SCIENCE
- TELECOMMUNICATIONS (CISCO NETWORKING)
- MULTIMEDIA
- MULTIMEDIA BROADCAST

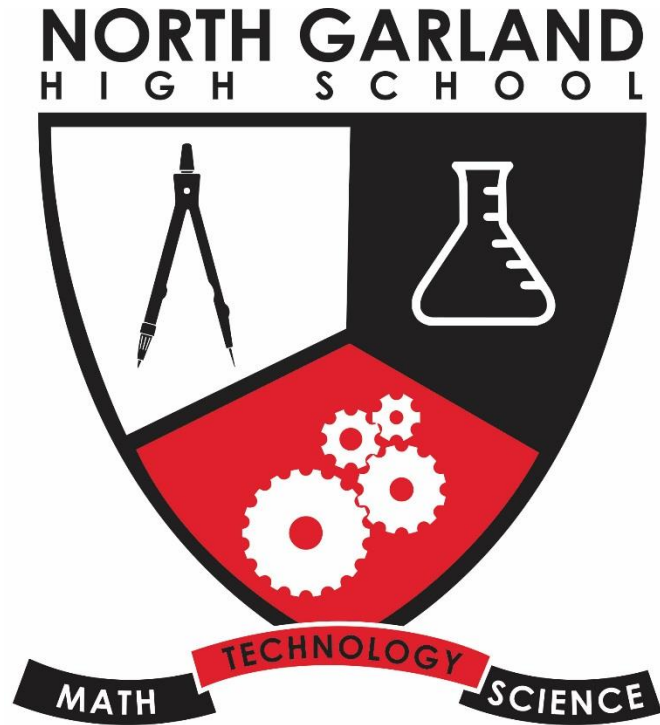


CAREER ENDORSEMENTS



- ARCHITECTURE
- ENGINEERING (PROJECT LEAD THE WAY)





MST ENDORSEMENT TRACKS

ARCHITECTURE

9TH GRADE:

MST GEOMETRY H	1 CREDIT
MST BIOLOGY H	1 CREDIT
MST PRINCIPLES OF ARCHITECTURE	1 CREDIT
PRE-AP ENGLISH I OR ENGLISH I	1 CREDIT
AP HUMAN GEOGRAPHY OR WORLD GEOGRAPHY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

10TH GRADE:

MST ALGEBRA II H	1 CREDIT
MST CHEMISTRY H	1 CREDIT
MST ARCHITECTURAL DESIGN I	1 CREDIT
PRE-AP ENGLISH II OR ENGLISH II	1 CREDIT
AP WORLD HISTORY OR WORLD HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

11TH GRADE:

MST PRECALCULUS H	1 CREDIT
PHYSICS (AP, DC or MST)	1 CREDIT
MST ARCHITECTURAL DESIGN II	1 CREDIT
AP/DC ENGLISH LANGUAGE OR ENGLISH III	1 CREDIT
AP US HISTORY OR US HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

12TH GRADE:

AP MATH	1 CREDIT
(AP Statistics H, AP Calculus AB H or AP Calculus BC H)	
MST SCIENCE	1 CREDIT
(AP Chemistry, AP Physics II, AP Biology, Anatomy & Physiology H or MST Forensic Science H)	
MST ARCHITECTURE PRACTICUM (Capstone)	2 CREDITS
AP/DC ENGLISH LITERATURE OR ENGLISH IV	1 CREDIT
AP GOVERNMENT OR GOVERNMENT	.5 CREDIT
AP ECONOMICS OR ECONOMICS	.5 CREDIT
REQUIRED OR ELECTIVE COURSES	2 CREDITS

ENGINEERING

9TH GRADE:

MST GEOMETRY H	1 CREDIT
MST BIOLOGY H	1 CREDIT
MST PLTW INTRO TO ENGINEERING DESIGN	1 CREDIT
PRE-AP ENGLISH I OR ENGLISH I	1 CREDIT
AP HUMAN GEOGRAPHY OR WORLD GEOGRAPHY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

10TH GRADE:

MST ALGEBRA II H	1 CREDIT
MST CHEMISTRY H	1 CREDIT
DIVERSIFIED MANUFACTURING	1 CREDIT
PRE-AP ENGLISH II OR ENGLISH II	1 CREDIT
AP WORLD HISTORY OR WORLD HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

11TH GRADE:

MST PRECALCULUS H	1 CREDIT
AP PHYSICS I	1 CREDIT
MST ENGINEERING SCIENCE	1 CREDIT
AP/DC ENGLISH LANGUAGE OR ENGLISH III	1 CREDIT
AP US HISTORY OR US HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

12TH GRADE:

AP CALCULUS AB H or AP CALCULUS BC H	1 CREDIT
AP PHYSICS II or C	1-2 CREDITS
MST PLTW ENGINEERING DESIGN & DEVELOPMENT (Capstone)	1 CREDIT
AP/DC ENGLISH LITERATURE OR ENGLISH IV	1 CREDIT
AP GOVERNMENT OR GOVERNMENT	.5 CREDIT
AP ECONOMICS OR ECONOMICS	.5 CREDIT
REQUIRED OR ELECTIVE COURSES	2-3 CREDITS

*At least one additional MST PLTW Engineering class required:
Aerospace Engineering, Civil Engineering & Architecture, Computer Integrated Maintenance, Digital Electronics, Direct Current Electronics

COMPUTER SCIENCE

9TH GRADE:

MST GEOMETRY H	1 CREDIT
MST BIOLOGY H	1 CREDIT
AP COMPUTER SCIENCE PRINCIPLES	1 CREDIT
PRE-AP ENGLISH I OR ENGLISH I	1 CREDIT
AP HUMAN GEOGRAPHY OR WORLD GEOGRAPHY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

10TH GRADE:

MST ALGEBRA II H	1 CREDIT
MST CHEMISTRY H	1 CREDIT
COMPUTER SCIENCE I H	1 CREDIT
PRE-AP ENGLISH II OR ENGLISH II	1 CREDIT
AP WORLD HISTORY OR WORLD HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

11TH GRADE:

MST PRECALCULUS H	1 CREDIT
PHYSICS (AP, DC or MST)	1 CREDIT
AP COMPUTER SCIENCE II H	1 CREDIT
AP/DC ENGLISH LANGUAGE OR ENGLISH III	1 CREDIT
AP US HISTORY OR US HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

12TH GRADE:

AP MATH	1 CREDIT
(AP Statistics H, AP Calculus AB H or AP Calculus BC H)	
MST SCIENCE	1 CREDIT
(AP Chemistry, AP Physics II, AP Biology, Anatomy & Physiology H or MST Forensic Science H)	
AP COMPUTER SCIENCE III H (Capstone)	1 CREDIT
AP/DC ENGLISH LITERATURE OR ENGLISH IV	1 CREDIT
AP GOVERNMENT OR GOVERNMENT	.5 CREDIT
AP ECONOMICS OR ECONOMICS	.5 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

TELECOMMUNICATIONS

9TH GRADE:

MST GEOMETRY H	1 CREDIT
MST BIOLOGY H	1 CREDIT
MST PRINCIPLES OF INFORMATION TECHNOLOGY	1 CREDIT
PRE-AP ENGLISH I OR ENGLISH I	1 CREDIT
AP HUMAN GEOGRAPHY OR WORLD GEOGRAPHY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

10TH GRADE:

MST ALGEBRA II H	1 CREDIT
MST CHEMISTRY H	1 CREDIT
MST CISCO I H	1 CREDIT
PRE-AP ENGLISH II OR ENGLISH II	1 CREDIT
AP WORLD HISTORY OR WORLD HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

11TH GRADE:

MST PRECALCULUS H	1 CREDIT
PHYSICS (AP, DC or MST)	1 CREDIT
MST CISCO II H	1 CREDIT
MST CISCO III H	1 CREDIT
AP/DC ENGLISH LANGUAGE OR ENGLISH III	1 CREDIT
AP US HISTORY OR US HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	2 CREDITS

12TH GRADE:

AP MATH	1 CREDIT
(AP Statistics H, AP Calculus AB H or AP Calculus BC H)	
MST SCIENCE	1 CREDIT
(AP Chemistry, AP Physics II, AP Biology, Anatomy & Physiology H or MST Forensic Science H)	
MST CISCO IV (Capstone)	1 CREDIT
AP/DC ENGLISH LITERATURE OR ENGLISH IV	1 CREDIT
AP GOVERNMENT OR GOVERNMENT	.5 CREDIT
AP ECONOMICS OR ECONOMICS	.5 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

MULTIMEDIA

9TH GRADE:

MST GEOMETRY H	1 CREDIT
MST BIOLOGY H	1 CREDIT
MST GRAPHIC DESIGN & ILLUSTRATION	1 CREDIT
PRE-AP ENGLISH I OR ENGLISH I	1 CREDIT
AP HUMAN GEOGRAPHY OR WORLD GEOGRAPHY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

10TH GRADE:

MST ALGEBRA II H	1 CREDIT
MST CHEMISTRY H	1 CREDIT
MST DIGITAL ART & ANIMATION H	1 CREDIT
PRE-AP ENGLISH II OR ENGLISH II	1 CREDIT
AP WORLD HISTORY OR WORLD HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

11TH GRADE:

MST PRECALCULUS H	1 CREDIT
PHYSICS (AP, DC or MST)	1 CREDIT
MST DC WEB DESIGN OR MST DC DIGITAL VIDEO & AUDIO DESIGN	1 CREDIT
AP/DC ENGLISH LANGUAGE OR ENGLISH III	1 CREDIT
AP US HISTORY OR US HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

12TH GRADE:

AP MATH	1 CREDIT
(AP Statistics H, AP Calculus AB H or AP Calculus BC H)	
MST SCIENCE	1 CREDIT
(AP Chemistry, AP Physics II, AP Biology, Anatomy & Physiology H or MST Forensic Science H)	
MST INDEPENDENT STUDY OF MULTIMEDIA APPLICATIONS (Capstone)	1 CREDIT
MST DC WEB DESIGN OR MST DC DIGITAL VIDEO & AUDIO DESIGN	1 CREDIT
AP/DC ENGLISH LITERATURE OR ENGLISH IV	1 CREDIT
AP GOVERNMENT OR GOVERNMENT	.5 CREDIT
AP ECONOMICS OR ECONOMICS	.5 CREDIT
REQUIRED OR ELECTIVE COURSES	2 CREDITS

MULTIMEDIA - BROADCAST

9TH GRADE:

MST GEOMETRY H	1 CREDIT
MST BIOLOGY H	1 CREDIT
MST JOURNALISM I	1 CREDIT
PRE-AP ENGLISH I OR ENGLISH I	1 CREDIT
AP HUMAN GEOGRAPHY OR WORLD GEOGRAPHY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

10TH GRADE:

MST ALGEBRA II H	1 CREDIT
MST CHEMISTRY H	1 CREDIT
ADVANCED JOURNALISM - BROADCAST I OR MST DC DIGITAL VIDEO & AUDIO DESIGN	1 CREDIT
PRE-AP ENGLISH II OR ENGLISH II	1 CREDIT
AP WORLD HISTORY OR WORLD HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

11TH GRADE:

MST PRECALCULUS H	1 CREDIT
PHYSICS (AP, DC or MST)	1 CREDIT
ADVANCED JOURNALISM - BROADCAST II	1 CREDIT
AP/DC ENGLISH LANGUAGE OR ENGLISH III	1 CREDIT
AP US HISTORY OR US HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

12TH GRADE:

AP MATH	1 CREDIT
(AP Statistics H, AP Calculus AB H or AP Calculus BC H)	
MST SCIENCE	1 CREDIT
(AP Chemistry, AP Physics II, AP Biology, Anatomy & Physiology H or MST Forensic Science H)	
ADVANCED JOURNALISM - BROADCAST IIIH (Capstone)	1 CREDIT
AP/DC ENGLISH LITERATURE OR ENGLISH IV	1 CREDIT
AP GOVERNMENT OR GOVERNMENT	.5 CREDIT
AP ECONOMICS OR ECONOMICS	.5 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

BIOMEDICAL STUDIES (Forensics, Diagnosing, Prosthetics)

9TH GRADE:

MST GEOMETRY H	1 CREDIT
MST BIOLOGY H	1 CREDIT
MST PLTW BIOMEDICAL SCIENCE	1 CREDIT
PRE-AP ENGLISH I OR ENGLISH I	1 CREDIT
AP HUMAN GEOGRAPHY OR WORLD GEOGRAPHY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

10TH GRADE:

MST ALGEBRA II H	1 CREDIT
MST CHEMISTRY H	1 CREDIT
MST PLTW HUMAN BODY SYSTEMS	1 CREDIT
PRE-AP ENGLISH II OR ENGLISH II	1 CREDIT
AP WORLD HISTORY OR WORLD HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

11TH GRADE:

MST PRECALCULUS H	1 CREDIT
PHYSICS (AP, DC or MST)	1 CREDIT
MST PLTW MEDICAL INTERVENTIONS	1 CREDIT
AP/DC ENGLISH LANGUAGE OR ENGLISH III	1 CREDIT
AP US HISTORY OR US HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

12TH GRADE:

AP MATH	1 CREDIT
(AP Statistics H, AP Calculus AB H or AP Calculus BC H)	
MST BIOTECHNOLOGY	1 CREDIT
MST PLTW BIOMEDICAL INNOVATION (Capstone)	1 CREDIT
AP/DC ENGLISH LITERATURE OR ENGLISH IV	1 CREDIT
AP GOVERNMENT OR GOVERNMENT	.5 CREDIT
AP ECONOMICS OR ECONOMICS	.5 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

MEDICAL ACADEMIC

9TH GRADE:

MST GEOMETRY H	1 CREDIT
MST BIOLOGY H	1 CREDIT
MST PRINCIPLES OF HEALTH SCIENCE	1 CREDIT
PRE-AP ENGLISH I OR ENGLISH I	1 CREDIT
AP HUMAN GEOGRAPHY OR WORLD GEOGRAPHY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

10TH GRADE:

MST ALGEBRA II H	1 CREDIT
MST CHEMISTRY H	1 CREDIT
MST MEDICAL TERMINOLOGY	1 CREDIT
PRE-AP ENGLISH II OR ENGLISH II	1 CREDIT
AP WORLD HISTORY OR WORLD HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

11TH GRADE:

MST PRECALCULUS H	1 CREDIT
AP PHYSICS I	1 CREDIT
MST CLINICAL ROTATION I H OR ADDITIONAL SCIENCE	1-2 CREDITS
AP/DC ENGLISH LANGUAGE OR ENGLISH III	1 CREDIT
AP US HISTORY OR US HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	2-3 CREDITS

12TH GRADE:

AP MATH	1 CREDIT
(AP Statistics H, AP Calculus AB H or AP Calculus BC H)	
AP BIOLOGY	1 CREDIT
AP CHEMISTRY OR ANATOMY & PHYSIOLOGY	1 CREDIT
AP/DC ENGLISH LITERATURE OR ENGLISH IV	1 CREDIT
AP GOVERNMENT OR GOVERNMENT	.5 CREDIT
AP ECONOMICS OR ECONOMICS	.5 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

MST MEDICAL TECHNICAL TRACKS

Graduation Award	Pharmacy Technician Certification	EKG Medical Endorsement	Certified Phlebotomy Technician
12th Grade	MST Pharm Tech Practicum Course (2 credits) with National Healthcareer Association certification test	MST Sports Medicine Practicum Course (2 credits) with National Healthcareer Association certification test	MST Phlebotomy Practicum Course (2 credits) with National Healthcareer Association certification test
11th Grade	MST Clinical Rotation (2 credits)	MST Clinical Rotation (2 credits)	MST Clinical Rotation (2 credits)
10th Grade	MST Medical Terminology	MST Medical Terminology	MST Medical Terminology
9th Grade	MST Principles of Health Science	MST Principles of Health Science	MST Principles of Health Science

MEDICAL TECHNICAL (Working toward certification)

9TH GRADE:

MST GEOMETRY H	1 CREDIT
MST BIOLOGY H	1 CREDIT
MST PRINCIPLES OF HEALTH SCIENCE	1 CREDIT
PRE-AP ENGLISH I OR ENGLISH I	1 CREDIT
AP HUMAN GEOGRAPHY OR WORLD GEOGRAPHY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

10TH GRADE:

MST ALGEBRA II H	1 CREDIT
MST CHEMISTRY H	1 CREDIT
MST MEDICAL COURSE (see certification tracks)	1 CREDIT
PRE-AP ENGLISH II OR ENGLISH II	1 CREDIT
AP WORLD HISTORY OR WORLD HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	3 CREDITS

11TH GRADE:

MST PRECALCULUS H	1 CREDIT
PHYSICS (AP, DC or MST)	1 CREDIT
MST CLINICAL ROTATION OR MST CLINICAL THEORY & MST MEDICAL MATH	2 CREDITS
AP/DC ENGLISH LANGUAGE OR ENGLISH III	1 CREDIT
AP US HISTORY OR US HISTORY	1 CREDIT
REQUIRED OR ELECTIVE COURSES	2 CREDITS

12TH GRADE:

AP MATH	1 CREDIT
(AP Statistics H, AP Calculus AB H or AP Calculus BC H)	
MST SCIENCE	1 CREDIT
(AP Chemistry, AP Physics II, AP Biology, Anatomy & Physiology H or MST Forensic Science H)	
MST PRACTICUM COURSE (see certification tracks)	2 CREDITS
AP/DC ENGLISH LITERATURE OR ENGLISH IV	1 CREDIT
AP GOVERNMENT OR GOVERNMENT	.5 CREDIT
AP ECONOMICS OR ECONOMICS	.5 CREDIT
REQUIRED OR ELECTIVE COURSES	2 CREDITS

FRESHMAN & SOPHOMORE

REQUIREMENTS

- Maintain a 70 in ALL CLASSES at the end of every grading period.
- 25 hours of community service each year.
- Complete a Project-Based Learning (PBL) assignment in each MST class each grading period
- Enter NG Steamposium competition; winners move on to GISD Steamposium

JUNIOR REQUIREMENTS

Same as Freshman & Sophomore Year:

- Grades, 25 hours of community service, PBLs in each MST class

New for Junior Year:

- Academic competition, such as HOSA, Skills USA, UIL Academics (and more)

SENIOR REQUIREMENTS

Same as Junior Year:

- Grades, PBLs in any MST classes, Academic Competition

New for Senior Year:

- Digital portfolio and exit interview
- No community service hours required

HOW TO APPLY?

- **Jackson MST students** – Fill out the Continuation Form in Skyward between **January 6** and **January 18**.
- If you are **out of the district**, you must pre-enroll in Garland ISD to access the magnet application and sign up for testing. Magnet application is **January 6-January 18**. Testing is **February 9th** at **North Garland High School**.
- If you are at a GISD middle school but **not in MST now** you will need to apply through Skyward: **January 6-January 18**.

WHAT TEST SCORES ARE BEING USED?

Current **8th** graders (non-Jackson continuation students):

- Highest of 8th grade fall MAP test scores or 7th grade spring MAP test scores
- 8th grade PSAT scores

Current **9th** graders

- 9th grade PSAT scores

New to GISD

- Sign up for testing: February 9th at NGHS

WHAT TEST SCORES DO I NEED?

- MST requires scores in reading and math to be in the top 75th percentile.
- AMS requires 80th percentile.

WHAT ELSE ARE YOU LOOKING AT?

Both MST and AMS look at:

- Math and Science report card grades: 80 and above
- Attendance
- Follow GISD Student Code of Conduct guidelines

Dallas County Promise Grant

The Dallas County Promise is a program to:

- reduce financial barriers to college
- support students to succeed in college

The Promise is available to all 2021 graduates in 57 participating high schools. **All graduates — regardless of GPA or family income** — have the opportunity to earn a last-dollar scholarship that will cover any gap between what a student's state and federal financial aid cover and the cost of tuition at a Promise Partner college. **Promise Scholars also have access to a Success Coach and exclusive transfer scholarships at Promise Transfer Partner universities.** We are working closely with our seniors to make sure they take advantage of this opportunity!

**FOLLOW NGHS MST ON TWITTER TO SEE PICTURES FROM OUR
CLASSROOM ACTIVITIES AND EVENTS**

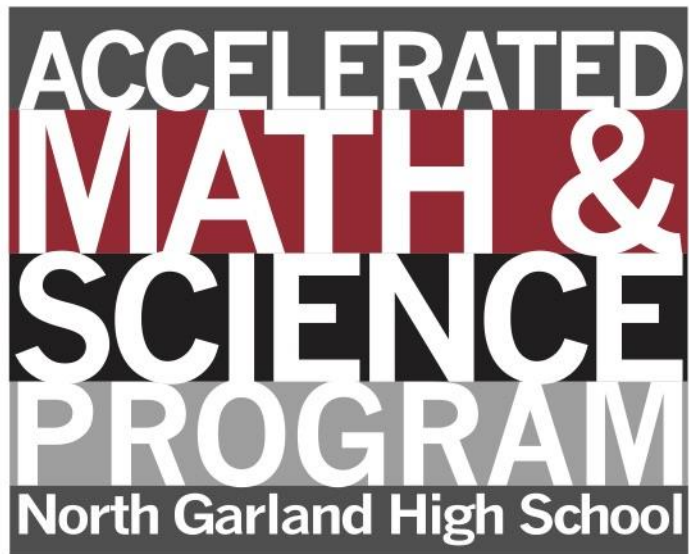
@NGHS_MST

QUESTIONS?

We'll be around front office/auditorium area today.

Email: nemathew@garlandisd.net

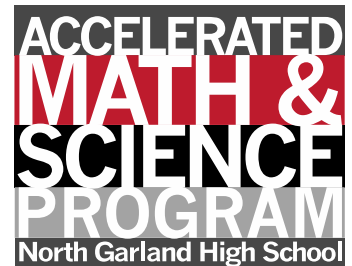
Call: 972-675-3120 x61027



AMS PROGRAM

ACCELERATED MATH AND SCIENCE

- Get on the fast track to success with Garland ISD's **Accelerated Math & Science magnet program** at North Garland High School.
- This unique focus provides the opportunity to **advance faster**, taking **more math and science classes** throughout high school.

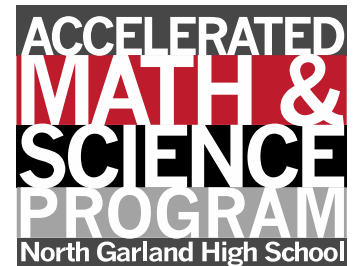


CRITERIA FOR TRACK PLACEMENT

- Ability-level test score percentiles
 - (**Computer MAP testing**)
- **Interview**
- On-site math assessment to provide baseline data for course adjustment upon acceptance
 - (**Written test**)

ALSO

- Summer Boot Camp Participation
- Summer Digital Binder



AMS Tracks Chart

AMS	9th	10th	11th	12th
Track 1	AMS Alg 2	AMS Pre-Calculus	AMS AP Calc AB	AMS AP Calc BC
	*Geometry	(UT OnRamps)	(Calculus 1)	
Track 2	AMS Alg 2	AMS Pre-Calculus	AMS AP Calc BC	DC Calc 3
	*Geometry	(UT OnRamps)	(Calculus 1 and 2)	DC Discrete Math
Track 3	AMS Alg 2	AMS AP Calc BC	DC Calc 3	DC Differential Equations
	AMS Pre-Calculus	(Calculus 1 and 2)	DC Discrete Math	DC Linear Algebra

***Geometry** is offered in some middle schools or in AMS Summer school. Both options offer honors credit. Honors Geometry will be taken during freshmen year concurrently with their AMS course(s) if they have not completed it by 9th grade year.

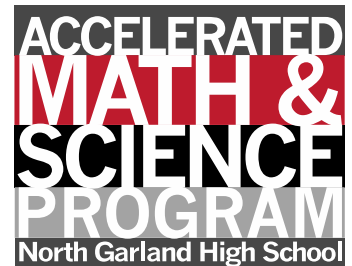
AP Statistics is an option for AMS students to take in addition to their AMS track, but not required. We recommend it is taken during sophomore or junior year before DC math courses. It does not replace a required AMS course. You are still expected to follow your AMS track.

ACCELERATED SUMMER SCHOOL

If your student has not taken Geometry yet, we offer **Geometry H** as a summer accelerated course.

June 2023

Exact dates/location coming soon



ACCELERATED SCIENCE

9th: MST Biology

10th: MST Chemistry and AP Science (Biology or Physics)

11th: AP Science

12th: AP Science or DC Science

AP Science = AP Chemistry, Environmental Science,
Physics II, Physics C (Calculus-Based)

DC Science = Dual Credit Organic Chemistry

Working with the district on more...



YEAR ONE SUCCESS

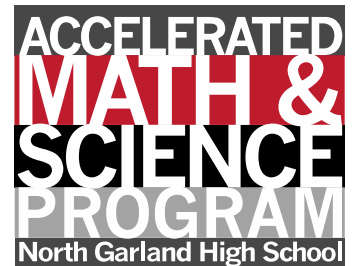
Our first group of AMS students had 10 kids (freshmen and sophomores) on Track 3 taking Algebra II and AP Calculus AB.

Out of 10 kids, **nine** earned college credit for their AP Calculus exams.

One student earned a **5**.

Four students earned a **4**.

Four students earned a **3**.



YEAR TWO SUCCESS

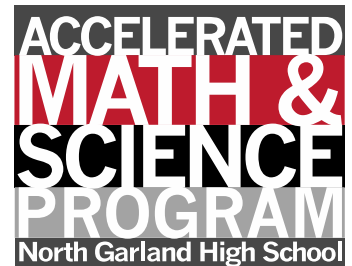
In our second year of AMS, 27 students (freshmen to juniors) took AP Calculus AB or AP Calculus BC.

Out of 27 kids, **24** earned college credit for their AP Calculus exams.

Seven students earned a **5**.

Nine students earned a **4**.

Eight students earned a **3**.



YEAR THREE SUCCESS

In our third year of AMS, 55 students (freshmen to juniors) took AP Calculus AB or AP Calculus BC.

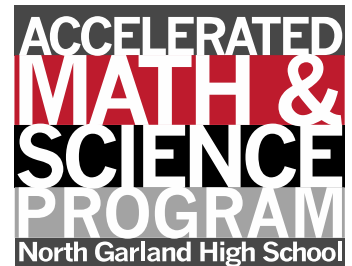
Out of 55 kids, **50** earned college credit for their AP Calculus exams.

Eleven students earned a **5**.

Twenty six students earned a **4**.

Thirteen students earned a **3**.

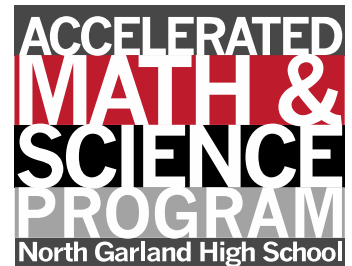
In addition to Calculus AB/BC, **11** Students earned credit for Calculus III.



YEAR FOUR SUCCESS

In our fourth year of AMS, we had:

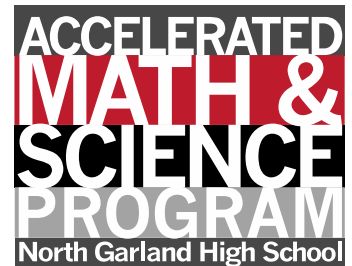
- 67 students took AP Calculus AB as 9th-11th graders
- 5 students in Differential Equations/Linear Algebra
- 22 students enrolled in Calculus III/Discrete Math with Dallas College and
- First year of 9th grade AP Biology Class: 77% earned college credit



YEAR FIVE SUCCESS

In our fourth year of AMS, we had:

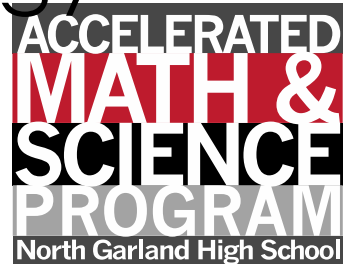
- 74 students took AP Calculus AB as 10th-11th graders
- 15 students in Differential Equations/Linear Algebra
- 15 students enrolled in Calculus III/Discrete Math with Dallas College and



YEAR SIX SUCCESS

In our fourth year of AMS, we had:

- 112 students took AP Calculus AB as 10th-11th graders
- 14 students in Differential Equations/Linear Algebra
- 21 students enrolled in Calculus III/Discrete Math with Dallas College
- Second year of 9th grade AP Biology Class: 90% earned college credit



YEAR SEVEN STATS

- 298 total AMS population
- 108 students taking AP Calculus AB as 9th-11th graders
- 25 students in Differential Equations/Linear Algebra
- 41 students enrolled in Calculus 1-3/Discrete Math with Dallas College
- 3rd year to offer AP Bio to AMS 9th graders

CAN I DO BOTH?

YES! Out of 298 current AMS students, only 18 are not MST students. Your student can be:

- AMS Student
- MST Student
- Both: MST/AMS Student

AMS offers the accelerated math and science classes while offering your student room for electives each year. These electives could be things like band, athletics, AVID or art. If your student is in MST, their electives will include their MST technology courses.

