

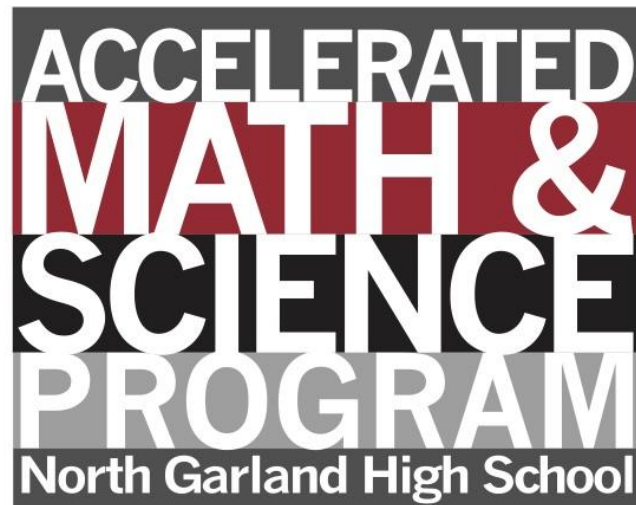
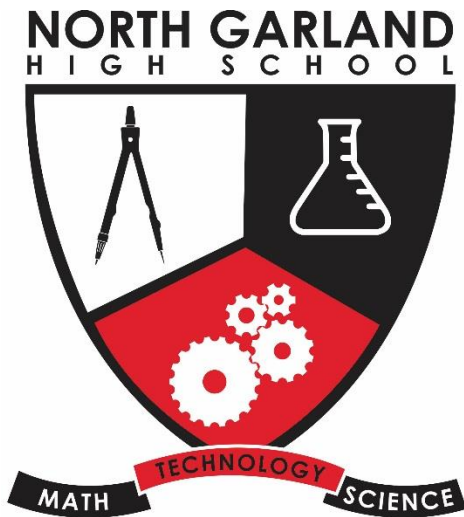
NORTH GARLAND HS

MATH, SCIENCE & TECHNOLOGY MAGNET

ACCELERATED MATH & SCIENCE PROGRAM

PATHWAYS IN TECHNOLOGY EARLY COLLEGE HIGH SCHOOL

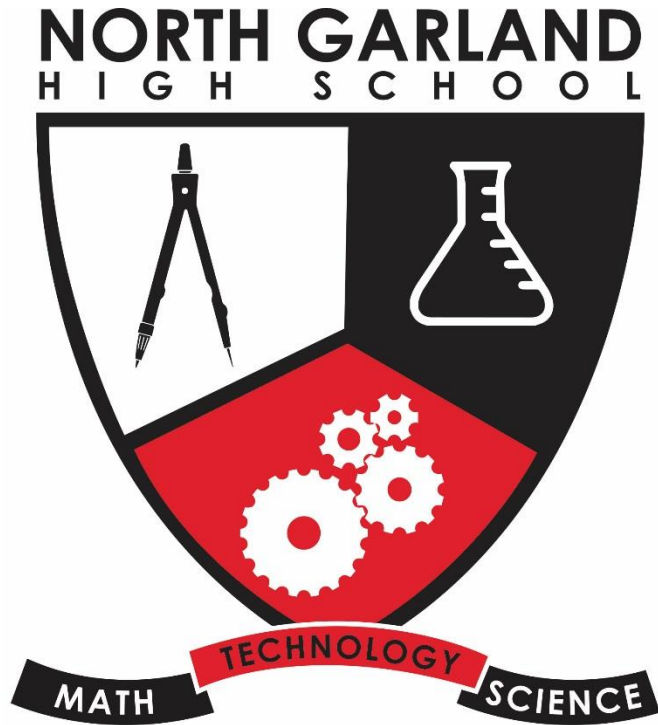
EARLY COLLEGE HIGH SCHOOL



Promotion Video

- [NGHS Video](#)





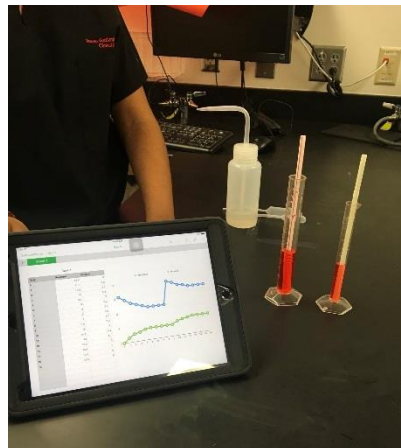
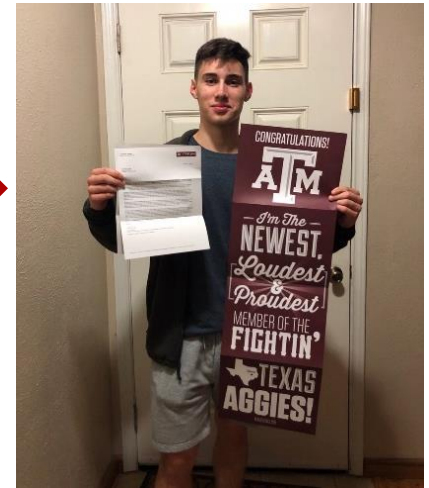


MST PROGRAM


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.

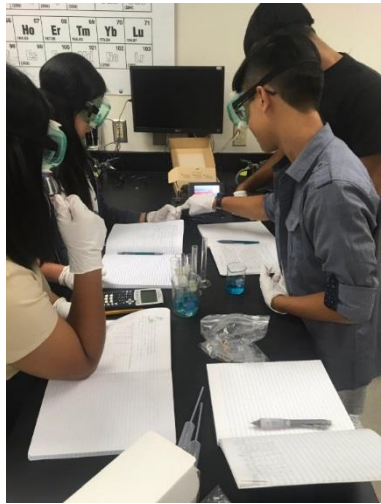
COURSE PATHWAYS OFFERED

- **ANIMATION** (Graphics/Multimedia)
- **ARCHITECTURE** (Business and Industry Endorsement)
- **COMPUTER SCIENCE** (STEM Endorsement)
- **ENGINEERING** (Business and Industry or STEM)
- **MEDICAL** (Public Service or STEM)
- **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 Helicopter

MEDICAL TECHNICAL

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

COMPUTER CAREER ENDORSEMENTS

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

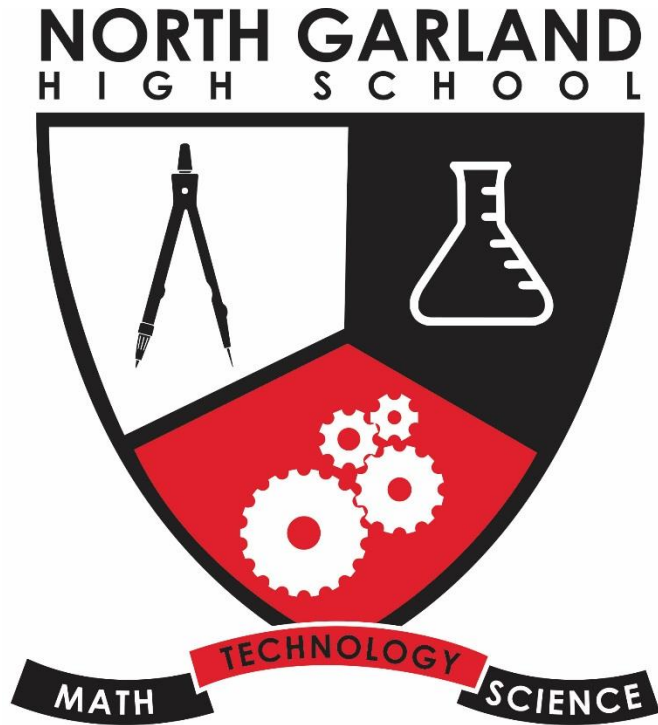


CAREER ENDORSEMENTS



- 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | .5 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | .5 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 3 CREDITS |

12TH GRADE:

| | |
|--|------------------------|
| AP MATH (AP Statistics H, AP Calculus AB H or AP Calculus BC H) | 1 CREDIT |
| 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 REQUIRED OR ELECTIVE COURSES | .5 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 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 REQUIRED OR ELECTIVE COURSES | 1 CREDIT 2-3 CREDITS |

12TH GRADE:

| | |
|--|------------------------|
| AP MATH (AP Statistics H, AP Calculus AB H or AP Calculus BC H) | 1 CREDIT |
| 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 REQUIRED OR ELECTIVE COURSES | .5 CREDIT 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 (AP Statistics H, AP Calculus AB H or AP Calculus BC H) | 1 CREDIT |
| MST SCIENCE (AP Chemistry, AP Physics II, AP Biology, Anatomy & Physiology H or MST Forensic Science H) | 1 CREDIT |
| 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 :

- 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 GUSD 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**

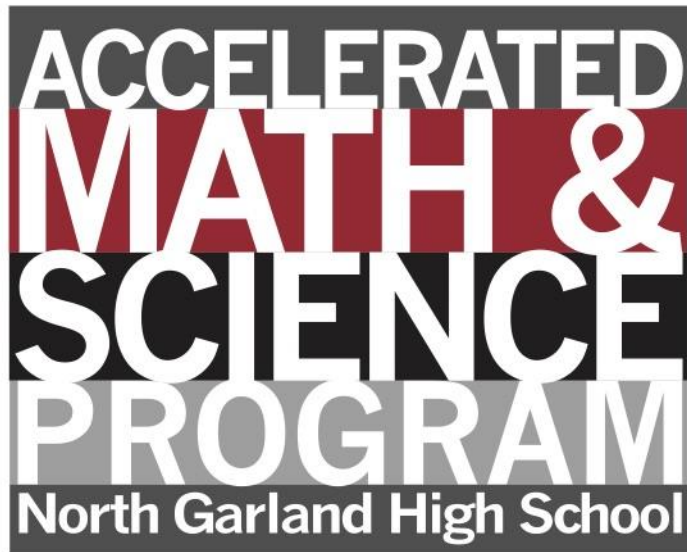
@NGHS_MST

QUESTIONS?

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

Email: nemathew@garlandisd.net

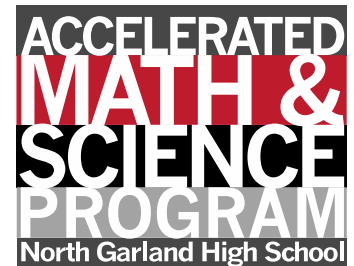
Call: 972-675-3120 x61027



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.

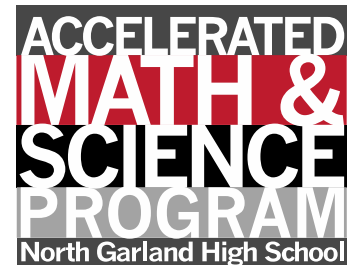


CRITERIA FOR TRACK PLACEMENT

- 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 *Geometry | AMS Pre-Calculus (UT OnRamps) | AMS AP Calc AB (Calculus 1) | AMS AP Calc BC |
| Track 2 | AMS Alg 2 *Geometry | AMS Pre-Calculus (UT OnRamps) | AMS AP Calc BC (Calculus 1 and 2) | DC Calc 3 DC Discrete Math |
| Track 3 | AMS Alg 2 AMS Pre-Calculus | AMS AP Calc BC (Calculus 1 and 2) | DC Calc 3 DC Discrete Math | DC Differential Equations 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.

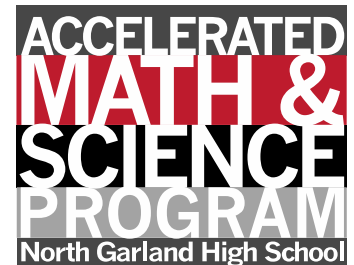
AP Statistics is an option for AMS students to take in addition to their AMS track, but not required. We recommend it is taken during sophomore or junior year before DC math courses. It does not replace a required AMS course. You are still expected to follow your AMS track.

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)

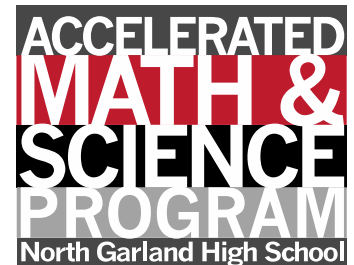
11th: AP Science

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

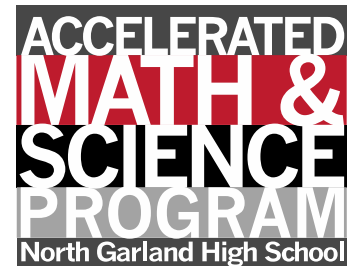
Our first group of AMS students had 10 kids (freshmen and sophomores) on Track 3 taking Algebra II and AP Calculus AB.

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

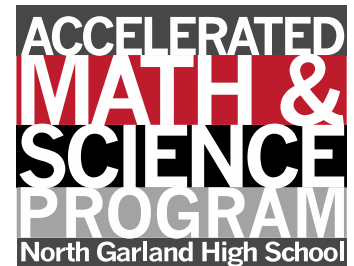
In our second year of AMS, 27 students (freshmen to juniors) took AP Calculus AB or AP Calculus BC.

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.

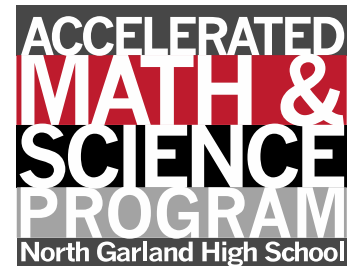
Out of 55 kids, **50** earned college credit for their AP Calculus exams.

Eleven students earned a **5**.

Twenty six students earned a **4**.

Thirteen students earned a **3**.

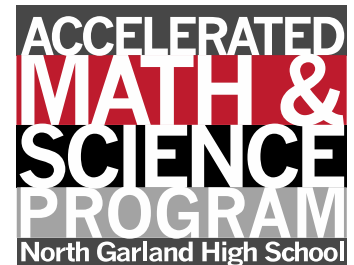
In addition to Calculus AB/BC, **11** Students earned credit for Calculus III.



YEAR FOUR SUCCESS

In our fourth year of AMS, we had:

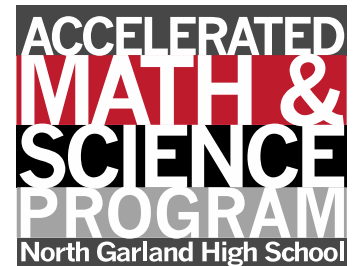
- 67 students took AP Calculus AB as 9th-11th graders
- 5 students in Differential Equations/Linear Algebra
- 22 students enrolled in Calculus III/Discrete Math with Dallas College and
- First year of 9th grade AP Biology Class: 77% earned college credit



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.

