

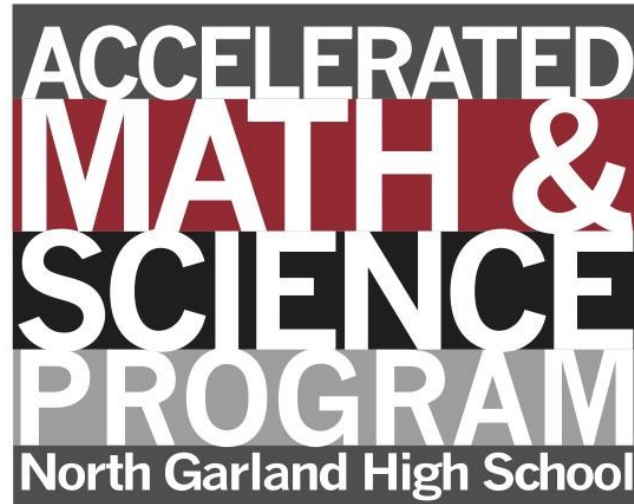
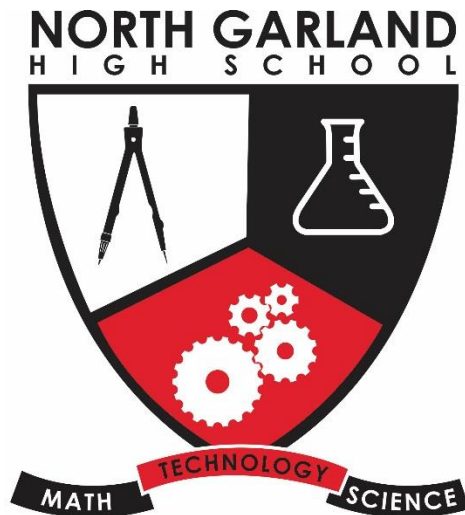
# NORTH GARLAND HS

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MATH, SCIENCE & TECHNOLOGY MAGNET

ACCELERATED MATH & SCIENCE PROGRAM

PATHWAYS IN TECHNOLOGY EARLY COLLEGE HIGH SCHOOL



# Current North Garland Magnet Programs

- Math, Science, Technology (MST)
- Accelerated Math & Science (AMS)









# Future of North Garland High School

2020-2021

- P-TECH in Health Services/CISCO
- Early College High School

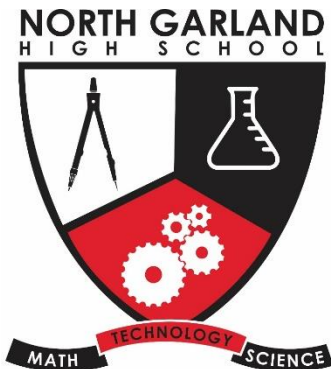


# NORTH GARLAND MAGNET PROGRAMS

	ACADEMIC TESTING	APPLICATION	BUS ELIGIBILITY	WHO CAN APPLY
MST				8-10TH GRADE
AMS				8-9TH GRADE
PTECH				8TH GRADE

# What is P-TECH?

- P-TECH=Pathways in Technology Early College High School
- Students earn a high school diploma, and industry recognized associate degree, and gain relevant work experience.
- Partnership between North Garland, Dallas County Community College, and an Industry Partner



# Why P-TECH?

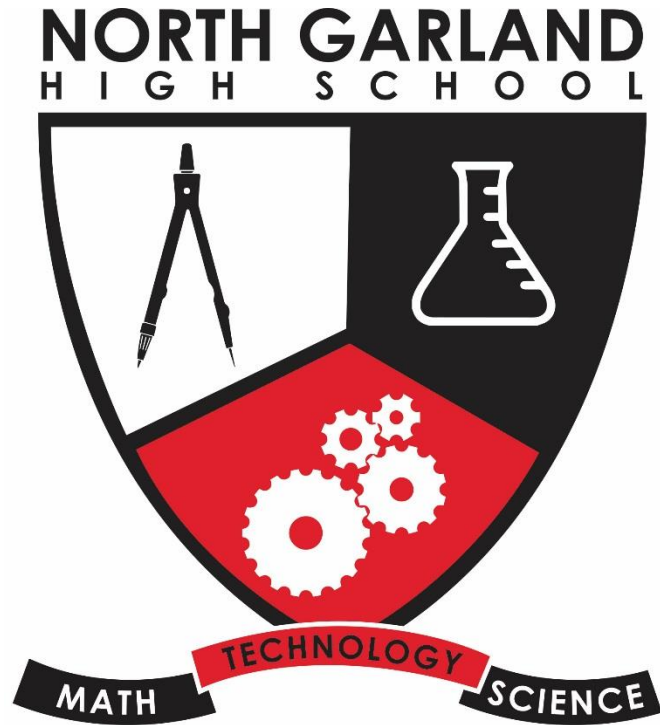
## **Students Graduate with:**

- High School Diploma
- Graduation Endorsements
- Up to 60+ College Credit Hours at No Cost to Students and Parents
- Associate of Science or Associate of Applied Science Degree
- Career and Technology Certifications
- 4 Year University Options
- College and Career Ready
- Internships
- Job Interviews and Job Placement

# P-TECH

## Preferred Candidates

- First in family to attend college
- Students that desire to attend college and work hard
- Motivated by taking advanced in-depth coursework related to the pre-medical or network administration field
- Willing to learn college readiness skills and use them daily



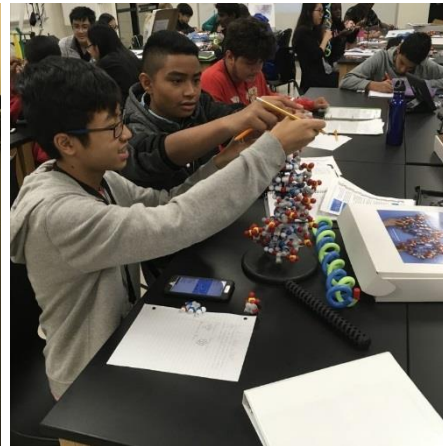
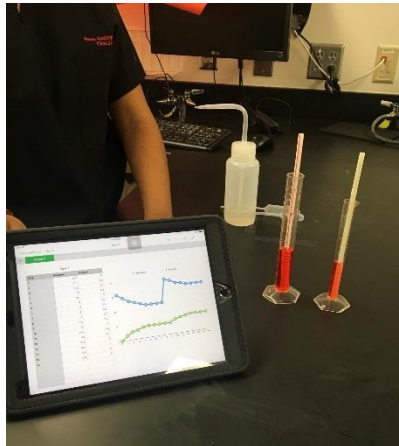
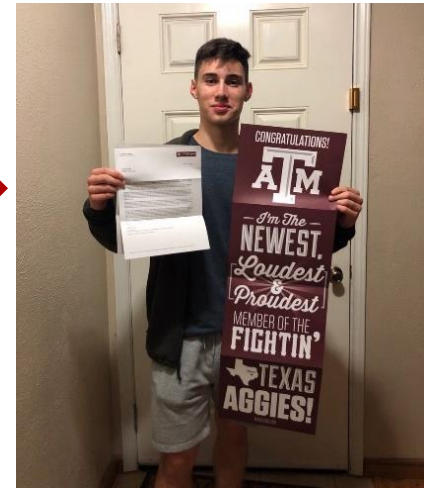
# MST PROGRAM



# WHY SHOULD I BE IN MST?

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

Texas A&M College of  
Engineering Acceptance Letter



# 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.

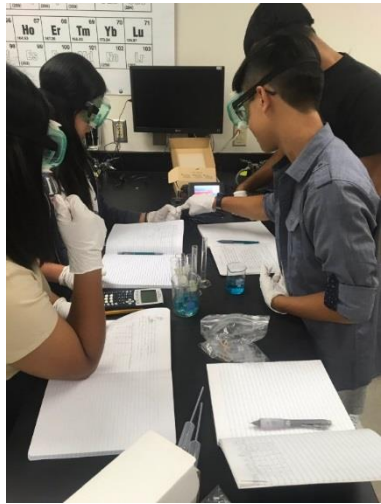
# ENDORSEMENTS OFFERED

- ARCHITECTURE
- BIOMEDICAL SCIENCE
- COMPUTER SCIENCE
- ENGINEERING
- MEDICAL
- MULTIMEDIA
- MULTIMEDIA BROADCAST
- TELECOMMUNICATIONS

# 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

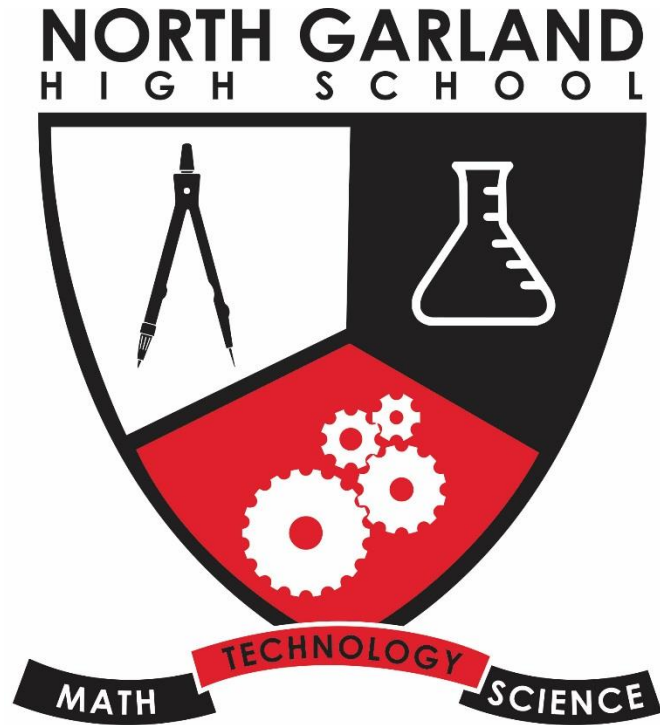


# CAREER ENDORSEMENTS



- 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 **December 9** and **January 11**.
- 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 **December 9-January 11**. Testing is **January 18** at **Rowlett High School**.
- If you are at a GISD middle school but **not in MST now** you will need to apply through Skyward: **December 9-January 11**.



# WHAT TEST SCORES ARE BEING USED?

Current **8<sup>th</sup>** graders (non-Jackson continuation students):

- Highest of 8<sup>th</sup> grade fall MAP test scores or 7<sup>th</sup> grade spring MAP test scores
- 8<sup>th</sup> grade PSAT scores

Current **9<sup>th</sup>** graders

- 9<sup>th</sup> grade PSAT scores

New to GISD

- Sign up for testing: TBD later this fall

# **WHAT TEST SCORES DO I NEED?**

- MST requires scores in reading and math to be in the top 75<sup>th</sup> percentile.
- AMS requires 80<sup>th</sup> 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 2020 graduates in 57 participating high schools. **All 2020 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.**

# Dallas County Promise Grant

We are working closely with our seniors to make sure they take advantage of this opportunity. **98** percent of our seniors have pledged, and our Financial Aid (FAFSA) numbers have increased from last year.

As of now, the Dallas County Promise Grant is only available at five high schools: **North Garland**, South Garland, Garland, Lakeview, and Naaman Forest.

**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](mailto:nemathew@garlandisd.net)**

**Call: 972-675-3120 x61027**

# Classroom Visits

## Downstairs Behind Us

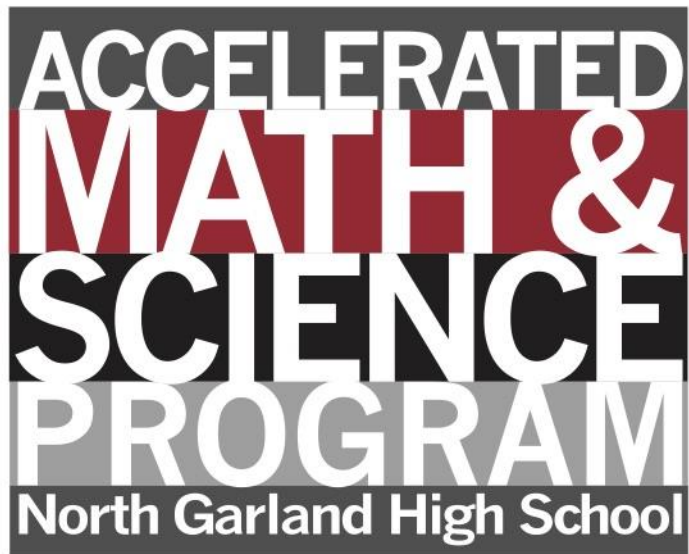
- Medical & Biomedical in HST Wing
- Computer Science – 510
- Multimedia – 512
- CISCO/Telecommunications – 514

## Downstairs in Front of School

- Architecture – 126B
- Engineering – 120, 123
- Multimedia Broadcast Journalism – 125

## Upstairs in Front of School

- Multimedia – 241

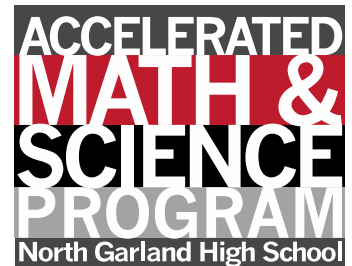


# **AMS PROGRAM**



# 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.

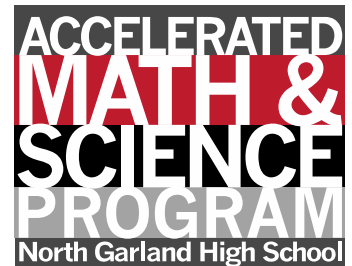


# CRITERIA FOR TRACK PLACEMENT

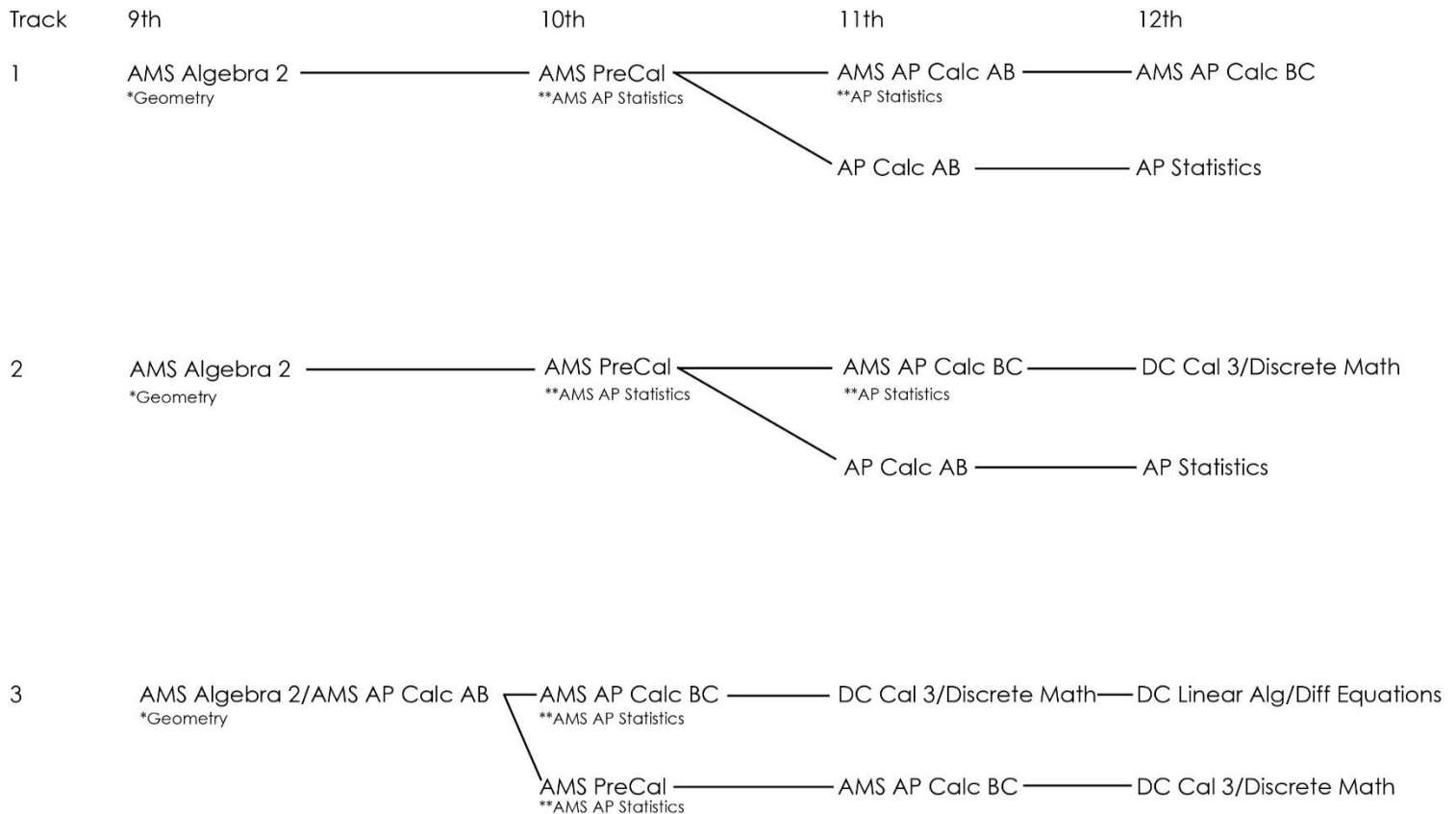
- Ability-level test score percentiles
  - (**Computer MAP testing**)
- **Interview**
- On-site math assessment to provide baseline data for course adjustment upon acceptance
  - (**Written test**)

## ALSO

- Summer Boot Camp Participation
- Summer Digital Binder



## Accelerated Math and Science Possible Tracks



\*Geometry is offered in some middle schools or through AMS summer school. Both options offer honors credit. Honors Geometry can also be taken freshman year concurrently with their AMS course(s).

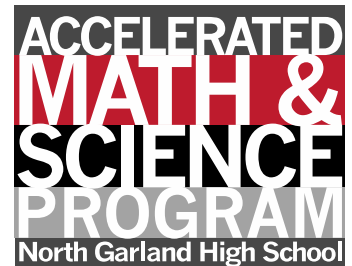
\*\*AMS AP Statistics is an option for AMS students. We recommend it is taken during sophomore or junior year - before the DC math courses.

# ACCELERATED SUMMER SCHOOL

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

June 2020

Exact dates/location coming soon



# ACCELERATED SCIENCE

9<sup>th</sup>: MST Biology

10<sup>th</sup>: MST Chemistry and AP Science (Biology or Physics)

11<sup>th</sup>: AP Science

12<sup>th</sup>: 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

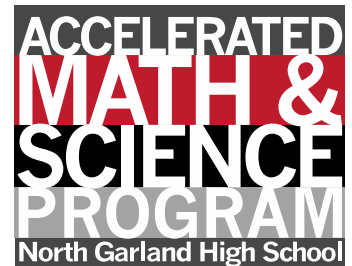
Our first group of AMS students had 10 kids (freshmen and sophomores) on Track 3 taking Algebra II and AP Calculus AB.

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

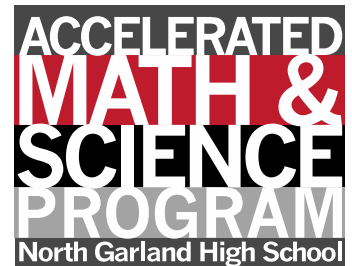
In our second year of AMS, 27 students (freshmen to juniors) took AP Calculus AB or AP Calculus BC.

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.

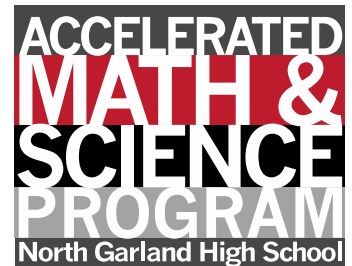
Out of 55 kids, **50** earned college credit for their AP Calculus exams.

**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 have:

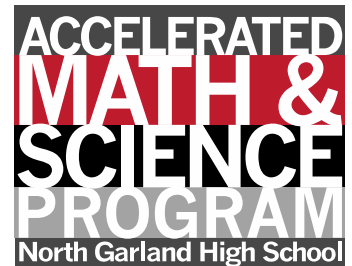
- 67 students will take AP Calculus AB as 9<sup>th</sup>-11<sup>th</sup> graders in the spring
- 5 students in Differential Equations/Linear Algebra
- 22 students enrolled in Calculus III with DCCCD and will take Discrete Math in the spring
- Added a 9<sup>th</sup> grade AP Biology Class

# CAN I DO BOTH?

**YES!** Out of 185 current AMS students, only 20 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.



# CLASSROOM VISITS

## Downstairs Behind Us

- Medical & Biomedical in HST Wing
- Computer Science – 510
- Multimedia – 512
- CISCO/Telecommunications – 514

## Downstairs in Front of School

- Architecture – 126B
- Engineering – 120, 123
- Multimedia Broadcast Journalism – 125

## Upstairs in Front of School

- Multimedia – 241

