

# Curriculum

GRADES 9-12



# MICDS

MARY INSTITUTE AND SAINT LOUIS COUNTRY DAY SCHOOL

	100 LEVEL	200 LEVEL	300 LEVEL	400 LEVEL	500 LEVEL	600 LEVEL	CREDITS REQUIRED (TRIMESTER)
<b>ENGLISH</b>	English 9: Crossing Thresholds: Stories of Orientation and Transformation	English 10: Literary Analysis & Insight		English 11: American Literature: Transcending Self, Asserting Self T3 Choices: Literature of the Northeast Literature of the Northwest Literature of the South Literature of the Southwest	The Art of Short Fiction Literature of the Black Diaspora Literature of Family and Environment Irish Literature Literary Perspectives on Art and Artist	Literature and History of Conflict From Poetry to Plays Literature of the Oppressed The Faust Tradition in Literature Global Literature and Nonfiction	<b>12</b>
<b>HISTORY AND SOCIAL SCIENCES</b>	The Post-1900 World	United States History United States History Accelerated	Personal Finance Foundations of Entrepreneurship Global Business	History of St. Louis African-American History History of Women's Rights Modern Asian History Modern African History The Modern Middle East 20th Century Nationalism & Decolonization Race & Nationhood History of Genocide & Human Rights The Cold War	History of Environmental Conflict History of Race & Sports in Modern America 9/11 & The War on Terror Leadership in the 21st Century	AP United States Government & Politics AP European History AP Microeconomics AP Macroeconomics AP Psychology	<b>9</b>
<b>MATH</b>	Applied Integrated Mathematics 1	Applied Integrated Mathematics 2 Integrated Math 1 Integrated Math Accelerated	Applied Integrated Mathematics 3 Integrated Math 2 Integrated Math 2 Accelerated Problem Solving: Mathematical Minds Number Theory	Modeling with Technology Financial Algebra Linear Algebra Mathematical Modeling & Trigonometry Analytic Geometry Discrete Mathematics	Calculus	AP Statistics AP AB Calculus AP BC Calculus Multi-variable Calculus Vector Calculus	<b>9</b>
<b>LANGUAGE</b>	Spanish 100	Spanish 200 Spanish 250	Spanish 300 Spanish 350	Spanish 400 Spanish 450	Spanish 500	AP Spanish	<b>6/9</b>
		French 200	French 300	French 400 Greek	French 500 Greek	AP French Greek	
		Mandarin 200	Mandarin 300	Mandarin 400	Mandarin 500	AP Mandarin	
		Latin 200	Latin 300	Latin 400	Latin 500	AP Latin	
<b>SCIENCE</b>	Chemical and Physical Systems or Chemical and Physical Systems Accelerated	Bio-Chemistry Applications or Bio-Chemistry Applications Accelerated Maker Science Kinesiology Electronics & Robotics	Geology & Biodiversity Anatomy & Physiology Genetics & Biotechnology Neuroscience Marine Biology Ecology of Costa Rica Sports Medicine Biological Design Investigative Plant Science Botany Astronomy	Environmental Science Forensics Modern Physics	Science Seminar Independent Lab Research Advance Chemical & Physical Research	AP Biology AP Chemistry AP Environmental Science AP Physics C Mechanics AP Physics C Electricity & Magnetism Science in the Field	<b>9</b>
<b>ART</b>	Fine Arts: CAD/Rendering Architecture Ceramics I Photo 1: Digital Sculpture I Photo 1: Dark Room Design Digital Design	Photo 2 Ceramics 2 Drawing 1 Sculpture 2 Drawing 2 Computer-Aided Advanced Drawing Drafting (CAD) Stagecraft	Photo 3 Advanced Painting Ceramics 3 Sculpture 3 Painting 1 Painting 2			AP 2-D Design (Photo) AP Studio Art: Drawing AP Art History AP 3-D Design	<b>6</b>
	Performing Arts: Choir Acting 1 Band Strings	Acting 2	Acting 3 Band Video Production	Advanced Techniques 1 Advanced Techniques 2 Advanced Techniques 3		AP Music Theory	
<b>ALSO</b>	BOOM Project		Public Speaking, Programming Environment, Advanced Data Structures Journalism,		Independent Study	AP Computer Science AP Computer Science Principles	

Note: The intention of this grid is to see the broad array of rich offerings at MICDS. It is not intended to help map out a schedule.



## UPPER SCHOOL

# Curriculum

GRADES 9-12



The Upper School curriculum at MICDS provides students with multiple opportunities to live the Mission of the School. Courses are designed to engage students in deep intellectual labor characteristic of a strong academic foundation while providing ample opportunity to pursue passions and interests through a variety of course offerings.

The trimester academic calendar allows for greater course choice and course load. This curriculum grid is representative of coursework available. Please note: Classes may not be offered each trimester of every year. Each student must take a minimum of five or six classes each trimester for four years to fulfill graduation requirements.

The Eliot Summer Academy offers enrichment and advancement in selected disciplines during the summer months. For more specific information and course descriptions, please visit our website at [micds.org](http://micds.org).

## MATHEMATICS

### Required:

9 trimesters: which must include Integrated Mathematics 1 & 2. Students are strongly encouraged to take math all 12 trimesters.

### Representative Elective Courses:

Linear Algebra, Discrete Mathematics, Multi-variable Calculus, Number Theory

### AP:

Statistics, AB Calculus, BC Calculus

## SCIENCE

### Required:

9 trimesters: In 9th and 10th grade, students take Chemical and Physical Systems and Bio-Chemistry Applications, respectively. In grades 11 and/or 12, students take one more year of Environmental Science or an AP Science course.

### Representative Elective Courses:

Robotics & Maker, Modern Physics, Plant Science Strand, Research Strand, Biotechnology, Forensics, Human Body Strand

### AP:

Biology, Chemistry, Physics C Mechanics, Physics C Electricity & Magnetism, Environmental Science

## ENGLISH

### Required:

12 trimesters: In 9th & 10th grade, the course is taught in common. In grade 11, the course is taught in common the first two trimesters with an elective choice in the third trimester. 12th graders choose two electives for the year.

### Representative Elective Courses:

From Poetry to Plays, Irish Literature, Literature of the Black Diaspora

### AP:

No courses designated AP; students test as they feel prepared.

## WORLD LANGUAGES

### Required:

A single language through level 3.

### AP:

Spanish, French, Latin, Mandarin

## HISTORY AND SOCIAL SCIENCES

### Required:

9 trimesters: The Post-1900 World, United States History or United States History Accelerated, History of St. Louis, plus two additional trimester electives

### Representative Elective Courses:

History of Race and Sports in America, 9/11 & The War on Terror, Personal Finance, History of Environmental Conflict, Modern Asian History

### AP classes:

United States Government and Politics, European History, Microeconomics, Macroeconomics, Psychology. Students take United States History & World History tests as they feel prepared.

## FINE & PERFORMING ARTS

### Required:

A minimum of 6 trimesters

### Representative Elective Courses:

Ceramics, Painting, Chamber Choir, Photography Architecture, Acting, Digital Design, Instrumental Music

### AP:

Music Theory, Drawing, Art History, Photography, 3-D

## ALSO

Athletics are required for 2 seasons in 9th-11th grade, 1 season in 12th grade.

### AP:

Computer Science, Computer Science Principles

