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## ***Science, Design and Technology***

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An Endorsement in *Science, Design, and Technology* helps students see the relationship between math, science, and technology. Students pursue career exploration in a variety of math and science related fields of study.

In addition to the graduation requirements laid out by the academy and the requirements of the Diploma Endorsement program, participants will be required to earn a total of 9 value added points by the end of Advent semester of their senior year [equivalent to 3 value added points per semester].

| <b>Value Added Opportunities</b>   |  |
|--|--|
| <b>Suggested Elective Courses:<br/><i>(beyond Graduation Requirements)</i></b>   | <b>Suggested Activities:</b>   |
| <ul style="list-style-type: none"> <li>• Computer Assisted Design</li> <li>• Intro to Programming</li> <li>• AP Computer Science</li> <li>• Anatomy &amp; Physiology</li> <li>• Forensic Science</li> <li>• Geology</li> <li>• Genetics</li> <li>• Astronomy</li> <li>• Organic Chemistry</li> <li>• AP Physics I &amp; II</li> <li>• AP Chemistry</li> <li>• AP Biology</li> <li>• AP Environmental Science</li> <li>• TBD by approval of mentor or staff</li> </ul> <p style="text-align: center;">[any additional course completed =<br/>.5 points per semester time frame]</p> | <ul style="list-style-type: none"> <li>• Lego Robotics Club - 1</li> <li>• Environmental Club - 1</li> <li>• Additional MOOC - 2</li> <li>• Volunteer hours in field – 10/1 ratio</li> <li>• Book review - 1</li> <li>• Community events - lectures, events - 1</li> <li>• Interview with professional in field - .5</li> <li>• Additional intern hours – 10/1 ratio</li> <li>• Summer work experience - TBD</li> <li>• Leadership role in any school community club/activity - 1</li> <li>• TBD by approval of mentor or staff - TBD</li> </ul> |

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## *Global Studies*

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Students pursuing an Endorsement in *Global Studies* look to strengthen their understanding of the ways mankind is connected throughout the world. Students explore the relationships between language, culture, religion, economics, and politics worldwide.

In addition to the graduation requirements laid out by the academy and the requirements of the Diploma Endorsement program, participants will be required to earn a total of 9 value added points by the end of Advent semester of their senior year [equivalent to 3 value added points per semester].

| <b>Value Added Opportunities</b>   |   |
|--|---|
| <b>Suggested Elective Courses:</b><br><i>(beyond Graduation Requirements)</i>  | <b>Suggested Activities:</b><br><i>(documented in Blog posts through the semester)</i>  |
| <ul style="list-style-type: none"> <li>• World Language</li> <li>• AP European History</li> <li>• AP Art History</li> <li>• World Religions</li> <li>• Holocaust Studies</li> <li>• TBD by approval of mentor or staff</li> </ul> <p>[any additional course completed = .5 points per semester time frame]</p> | <ul style="list-style-type: none"> <li>• Model United Nations - 1</li> <li>• World Language Club - 1</li> <li>• Etymology Club - 1</li> <li>• Additional MOOC -2</li> <li>• Travel abroad -2</li> <li>• Host international student -2</li> <li>• Volunteer hours in field- 10/1 ratio</li> <li>• Book review - 1</li> <li>• Community events - lectures, fine arts events related to Global Studies - 1</li> <li>• Interview with professional in field - .5</li> <li>• Additional intern hours – 10/1 ratio</li> <li>• Summer work experience - TBD</li> <li>• Leadership role in any school community club/activity - 1</li> <li>• Other activities as approved by mentor or staff - TBD</li> </ul> |

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## ***History, Law, & the Humanities***

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An Endorsement in *History, Law, and the Humanities* helps students understand the value of the liberal arts. Students may pursue the study of a wide array of topics related to the central question: *what make us human?*

In addition to the graduation requirements laid out by the academy and the requirements of the Diploma Endorsement program, participants will be required to earn a total of 9 value added points by the end of Advent semester of their senior year [equivalent to 3 value added points per semester].

| <b>Value Added Opportunities</b>  |   |
|---|---|
| <b>Suggested Elective Courses:<br/>(beyond Graduation Requirements)</b>   | <b>Suggested Activities:<br/>(documented in Blog posts through the semester)</b>  |
| <ul style="list-style-type: none"> <li>• Philosophy</li> <li>• AP Psychology</li> <li>• AP European History</li> <li>• AP Art History</li> <li>• TBD by approval of mentor or staff</li> </ul> <p>[any additional course completed = .5 points per semester time frame]</p> | <ul style="list-style-type: none"> <li>• Mock Trial - 1</li> <li>• Model United Nations -1</li> <li>• Page Break -1</li> <li>• Additional MOOC -2</li> <li>• Volunteer hours in field – 10/1 ratio</li> <li>• Book review - 1</li> <li>• Community events - lectures, fine arts events related to history, law or the humanities - 1</li> <li>• Interview with professional in field - .5</li> <li>• Additional intern hours – 10/1 ratio</li> <li>• Summer work experience - TBD</li> <li>• Leadership role in any school community club/activity - 1</li> <li>• TBD by approval of mentor or staff - TBD</li> </ul> |



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## ***Mercy In Action***

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One of the core beliefs at MDS is the importance of putting *Mercy into Action*. Students pursuing this Endorsement explore ways to put others before themselves in service to our community and world. Students design and implement service-learning projects and investigate the connection between service and self-actualization.

In addition to the graduation requirements laid out by the academy and the requirements of the Diploma Endorsement program, participants will be required to earn a total of 9 value added points by the end of Advent semester of their senior year [equivalent to 3 value added points per semester].

| <b>Value Added Opportunities</b>  |   |
|---|---|
| <b>Suggested Elective Courses:<br/><i>(beyond Graduation Requirements)</i></b>  | <b>Suggested Activities:<br/><i>(documented in Blog posts through the semester)</i></b>   |
| <ul style="list-style-type: none"> <li>• Advanced Social Justice</li> <li>• Theology and the Arts</li> <li>• Prayer and Spirituality</li> <li>• History of Christianity</li> <li>• TBD by approval of mentor or staff</li> </ul> <p>[any additional course completed = .5 points per semester time frame]</p> | <ul style="list-style-type: none"> <li>• Girl Talk - 1</li> <li>• Additional MOOC - 2</li> <li>• Develop and implement MIA project - 2</li> <li>• Volunteer hours above required 20 – 10/1 ratio</li> <li>• Book review - 1</li> <li>• Community events - lectures, fine arts events related to social justice - 1</li> <li>• Interview with professional in field - .5</li> <li>• Additional intern hours – 10/1 ratio</li> <li>• Summer work experience - TBD</li> <li>• Leadership role in any school community club/activity - 1</li> <li>• TBD by approval of mentor or staff - TBD</li> </ul> |

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## ***Business Management***

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Endorsement in *Business Management* helps students understand the complexities of our economy and how marketing, accounting, and leadership development are important to future business leaders.

In addition to the graduation requirements laid out by the academy and the requirements of the Diploma Endorsement program, participants will be required to earn a total of 9 value added points by the end of Advent semester of their senior year [equivalent to 3 value added points per semester].

| <b>Value Added Opportunities</b>   |  |
|--|--|
| <b>Suggested Elective Courses:<br/><i>(beyond Graduation Requirements)</i></b>   | <b>Suggested Activities:<br/><i>(documented in Blog posts through the semester)</i></b>  |
| <ul style="list-style-type: none"> <li>• Mathematics of Industry and Government I</li> <li>• Mathematics of Industry and Government II</li> <li>• TBD by approval of mentor or staff</li> </ul> <p style="text-align: center;">[any additional course completed = .5 points per semester time frame]</p> | <ul style="list-style-type: none"> <li>• Student Council - 1</li> <li>• Additional MOOC - 2</li> <li>• Create a LinkedIn or ZeeMee account - .5</li> <li>• Volunteer hours in the field – 10/1 ratio</li> <li>• Book review - 1</li> <li>• Community events lectures, events - related to business - 1</li> <li>• Interview with professional in field - .5</li> <li>• Additional intern hours – 10/1 ratio</li> <li>• Summer work experience - TBD</li> <li>• Summer leadership conference - 1</li> <li>• Leadership role in any school community club/activity -1</li> <li>• TBD by approval of mentor or staff - TBD</li> </ul> |

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## ***Healthcare Studies***

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Students interested in any facet of healthcare may pursue an Endorsement in the complex, and often-changing, field of healthcare.

In addition to the graduation requirements laid out by the academy and the requirements of the Diploma Endorsement program, participants will be required to earn a total of 9 value added points by the end of Advent semester of their senior year [equivalent to 3 value added points per semester].

| <b>Value Added Opportunities</b>   |   |
|--|---|
| <b>Suggested Elective Courses:</b><br><i>(beyond Graduation Requirements)</i>  | <b>Suggested Activities:</b><br><i>(documented in Blog posts through the semester)</i>  |
| <ul style="list-style-type: none"> <li>• Anatomy &amp; Physiology</li> <li>• Genetics</li> <li>• Organic Chemistry</li> <li>• AP Biology</li> <li>• TBD by approval of mentor or staff</li> </ul> <p style="text-align: center;">[any additional course completed = .5 points per semester time frame]</p> | <ul style="list-style-type: none"> <li>• STEP Program - 2</li> <li>• Additional MOOC - 2</li> <li>• Volunteer hours in the field – 10/1 ratio</li> <li>• Book review - 1</li> <li>• Community events - lectures, events related to health care - 1</li> <li>• Interview with professional in field - .5</li> <li>• Additional intern hours – 10/1 ratio</li> <li>• Summer work experience - TBD</li> <li>• Summer leadership conference - 1</li> <li>• Leadership role in any school community club/activity - 1</li> <li>• TBD by approval of mentor or staff - TBD</li> </ul> |