Articulation Agreement  
between  
Mercyhurst University  
and  
Mercyhurst Preparatory School

Mercyhurst University sets forth the conditions upon which it will accept coursework from graduates of Mercyhurst Preparatory School (MPS) into any degree program at Mercyhurst University. This document sets forth those conditions to which the parties hereby agree.

A. Rationale for the articulation agreement

This agreement applies to any student who graduates from MPS and takes the courses as they are currently approved as of the 2016-2017 academic year. MPS is an established coeducational secondary school, located in Erie Pennsylvania and accredited by the Middle States Association under the Accreditation for Growth protocol. The purpose of this agreement is to ensure the efficient and orderly movement of students between the institutions while guaranteeing students’ continuous advancement in the pursuit of a professional career.

B. Description of how the agreement may be renewed or terminated

1. MPS agrees to promptly notify Mercyhurst University upon any substantive modification to the curriculum of the courses named in this document, and further agrees that the terms of this agreement will not hold unless Mercyhurst provides a written approval that the curricular changes do not alter the intent of this agreement.

2. Mercyhurst University agrees to provide MPS with information about the any changes in the liberal arts (REACH) curriculum, should they occur. Conditions for admission into the Mercyhurst University program are stipulated in Section D.

3. MPS and Mercyhurst University agree to review the terms, conditions and effects of this agreement every four years.

4. The terms of this agreement shall remain in effect, except as stipulated in certain previous terms listed herein, until terminated by either party. Any party may terminate the agreement with or without cause, on the provision of 120 days written notice to the other party.

C. Admission requirement and transfer of academic credits

Mercyhurst University agrees that graduates of MPS will be eligible to receive credit for the courses they have taken at MPS if they meet the following conditions:

1. Graduates of the MPS must complete the Mercyhurst admissions process, which includes submitting an admissions application and providing transcripts from all post-secondary institutions in which the student has been enrolled.

2. The student must have earned a grade of B or better in the course.
3. No more than sixty credits (total) can be transferred and no more than fifty percent (50%) of a student’s major course requirements can be transferred.

D. Uses of this agreement

Either party may cite the terms of this agreement in its official publications and other student communications.

E. Transfer of Specific Courses:

The following lists display specific courses taken at MPS that may be transferred to Mercyhurst University.
Liberal Arts (REACH) Requirements - Mercyhurst University
IB Courses

The following International Baccalaureate courses will be transferred, even if students do not take the IB exam. Students must earn a B or better to receive credit without the Baccalaureate diploma.

<table>
<thead>
<tr>
<th>Mercyhurst Requirement Course Number and Title</th>
<th>Equivalent Mercyhurst Preparatory School IB Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLST 100 - What is Religion</td>
<td>Religions of the World IB</td>
</tr>
<tr>
<td>ART 105 - Painting Acrylic</td>
<td>Painting 1</td>
</tr>
<tr>
<td>ART 100 - Drawing 1</td>
<td>Drawing 1</td>
</tr>
<tr>
<td>ART 122 - Ancient to Medieval Art History</td>
<td>Art History IB</td>
</tr>
<tr>
<td>PHYS 101/103 &amp; PHYS 102/106 - Principles of Physics I &amp; II w/ Labs</td>
<td>Physics Honors with lab activities</td>
</tr>
<tr>
<td>SPAN 102 - Intro to Spanish II</td>
<td>Spanish III Honors/IB</td>
</tr>
<tr>
<td>SPAN 204 - Intermediate Spanish II</td>
<td>Spanish IV Honors/IB</td>
</tr>
<tr>
<td>FREN 102 - Intro to French II</td>
<td>French III IB</td>
</tr>
<tr>
<td>FREN 204 - Intro to French II</td>
<td>French IV IB Honors/IB</td>
</tr>
<tr>
<td>ENG 140 - Western Classics</td>
<td>World Literature Honors/IB (Standard or Higher Level)</td>
</tr>
<tr>
<td>ENG 150 - British Classics</td>
<td>British Literature Honors/IB (Standard or Higher Level)</td>
</tr>
</tbody>
</table>
### ART 110. ART APPRECIATION
A survey of the visual arts including painting, sculpture, and architecture. Includes the study of artists, design, significant art works, and art criticism. For Non-art Majors only. 3 credits.

**Equivalent Mercyhurst Preparatory School Course Number, Title, and Description**

*Complete Art Appreciation along with one of the additional courses listed below and earn a grade of B or better in each course:*

<table>
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<tr>
<th>Mercyhurst Requirement Course Number and Title</th>
<th>Equivalent Mercyhurst Preparatory School Course Number, Title, and Description</th>
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<tbody>
<tr>
<td>ART APPRECIATION - COLLEGE PREP</td>
<td><strong>ART HISTORY – COLLEGE PREP (YEARLONG)</strong></td>
</tr>
<tr>
<td>#6003 Freshman, Sophomore, Junior, Senior. 3 credit Term course</td>
<td>This course is designed as a survey course covering the history of art from the earliest art of the Paleolithic to the art of the 21st century. Though concentrating on western art traditions, selected non-western traditions will be examined for their impact on western art. We will be able to go into some depth in covering major movements, important artists and masterpieces that have shaped art history. The class will attempt to examine the place of art in the “big picture” of human culture and history.</td>
</tr>
<tr>
<td>ART HISTORY – COLLEGE PREP (YEARLONG)</td>
<td><strong>THE RENAISSANCE - COLLEGE PREP</strong></td>
</tr>
<tr>
<td>#6035 Junior, Senior. 3 credit Term course</td>
<td>This artist didn’t bathe or change his clothes for months at a time, but he created some of the most beautiful images in art. This pope murdered his political rivals to consolidate his power and advance the careers of his illegitimate children. This woman was so brilliant and charming that her death caused the city of Rome to close for a week for her funeral. This poet inspired by the death of his “true love” would pen one of the greatest literary works of all time. What do these people have in common? They lived in one of the most dynamic times of human history…the Renaissance. Experience the heights and the darkest depths of this most fascinating period in time.</td>
</tr>
</tbody>
</table>
BIO 120. HUMAN BIOLOGY A basic biological study of man, examining human evolution, organ systems, genetics, behavior, and human interaction with the environment. Does not fulfill Biology major requirements. Corequisite: BIO 121. 3 credits.

and

BIO 121. HUMAN BIOLOGY LAB A laboratory class designed to demonstrate through models, microscopic work, and dissection the information presented in Bio 120. Corequisite: BIO 120. 1 credit.

Complete the three courses below and earn a grade of B or better in each course:

**BIOLOGY I – HONORS/IB**
#4008 Junior, Senior 1.00 credit Yearlong
Prerequisite: Chemistry I – HONORS/IB (teacher recommendation)
The curriculum is based on the International Baccalaureate biology program; therefore, students must have demonstrated proficiency in prior science courses. Humans are bound to this earth and possess an intense and dynamic relationship with all creatures. Students will study those living systems from the very simple to the very complex - from the molecular level to that of the biosphere. Students are introduced to the concepts of biochemistry, cell biology, energetics, Mendelian and population genetics, evolutionary theory, and taxonomy. A comparative study of the structure and function of microorganisms, plants, and animals will follow. Other lab activities include the use of digital microscopes, Vernier probes and software and electrophoresis equipment. Students will also dissect a selected vertebrate specimen to gain an appreciation of their own mammalian systems.

**HUMAN ANATOMY AND PHYSIOLOGY – HONORS**
#4024 Senior 1.00 credit Yearlong
Prerequisite: Biology – previously or concurrently (teacher recommendation)
Occupations in health care are among those with the fastest rate of growth. Students who enjoy biology and chemistry, medical issues, and working with people will find that this course is preparation for a variety of career paths from physician or pharmacist to any of the allied health professions. The class will survey the structure and function of the human body in lecture and laboratory investigations that include dissection of vertebrate organs and human cadaver anatomy. Because of the vocabulary and pace of topics, this is considered a rigorous course and is recommended for seniors who are seriously considering pursuit of further study of a health science at the college level.

**CHEMISTRY I – HONORS/IB**
#4004 Sophomore, Junior, Senior 1.00 credit Yearlong
Prerequisite: Foundations of Scientific Inquiry (Science Concepts) (teacher recommendation) and a strong background in mathematics.
Since all materials are comprised of atoms, the field of chemistry is the basis of all science. This course follows the study of chemistry as outlined by the International Baccalaureate program to prepare the student for possible future study in medical, technological, physical or engineering sciences. It encompasses in-depth studies of matter, atomic theory, nuclear chemistry, periodicity, bonding, chemical compounds, chemical reactions, stoichiometry, states of matter, solutions, acids and bases, and organic chemistry. Students will expand laboratory techniques and gain experience using spectrophotometers, HyperChem, and Vernier equipment. They will develop skills in the interpretation, analysis and application of collected data to strengthen their technical writing and math skills.

**BIO 130. FUNCTIONAL**

Complete the three courses below and earn a grade of B or better in each course:
**HUMAN BIOLOGY**
This course provides a general understanding of human biology with an emphasis on biophysical aspects of movement. Specific topics include basic biochemistry, cell biology, histology, and visceral systems of the body. Designed for Sports Medicine and Dance majors. Does not fulfill Biology major requirements. Corequisite: BIO 131. 3 credits.

**BIOLOGY I – HONORS/IB**
#4008 Junior, Senior 1.00 credit Yearlong
Prerequisite: Chemistry I – HONORS/IB (teacher recommendation)
The curriculum is based on the International Baccalaureate biology program; therefore, students must have demonstrated proficiency in prior science courses. Humans are bound to this earth and possess an intense and dynamic relationship with all creatures. Students will study those living systems from the very simple to the very complex - from the molecular level to that of the biosphere. Students are introduced to the concepts of biochemistry, cell biology, energetics, Mendelian and population genetics, evolutionary theory, and taxonomy. A comparative study of the function and structure of microorganisms, plants, and animals will follow. Other lab activities include the use of digital microscopes, Vernier probes and software and electrophoresis equipment. Students will also dissect a selected vertebrate specimen to gain an appreciation of their own mammalian systems.

**FUNCTIONAL HUMAN BIOLOGY LAB**
A laboratory exercises in biochemistry, cell biology and human tissues and organ systems, with special emphasis on musculoskeletal, articular, and neuromuscular systems, evaluated from an athletic minded perspective. Corequisite: BIO 120. 1 credit.

**SPORTS, EXERCISE and HEALTH SCIENCE I – HONORS/IB STANDARD LEVEL**
#4026 Junior 1.00 credit Yearlong
Prerequisite: Foundations of Scientific Inquiry (Science Concepts) CP or MPS PreIB/H and Algebra I CP or MPS Pre IB/H, both with minimum grade of B
This is the first year of a two year IB Standard Level course for juniors who wish to explore the scientific aspects of human physical activity and the relationship to health and sport. The arena of Sports Science has exploded in the last 20 years, and many careers can spring from this academic avenue of study. The fields of Athletic Training, Strength and Conditioning, Nutrition, Sports Psychology, Coaching, Physical Therapy, and Sports Medicine require a solid scientific understanding of how physical activity, in its many forms, affects our bodies and overall performance. Within this course we will study Anatomy and Physiology, Biomechanics, Skill Acquisition, Nutrition and Energy Systems, Measurement and Evaluation of Human Performance and Program Design, all with a view to how human performance in sport, exercise, and health are affected. Students will cover a range of core and option topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of internationalism and ethics by considering sport, exercise and health relative to the individual and in a global context. Students who study the full two year course will be in a position to sit for the IB exam in their senior year.

**HUMAN ANATOMY AND PHYSIOLOGY – HONORS**
#4024 Senior 1.00 credit Yearlong
Prerequisite: Biology – previously or concurrently (teacher recommendation)
Occupations in health care are among those with the fastest rate of growth. Students who enjoy biology and chemistry, medical issues, and working with people will find that this course is preparation for a variety of career paths from physician or pharmacist to any of the allied health professions. The class will survey the structure and function of the human body in lecture and laboratory investigations that include dissection of vertebrate organs and human cadaver anatomy. Because of the vocabulary and pace of topics, this is considered a rigorous course and is recommended for seniors who are seriously considering pursuit of further study of a health science at the college level.
RLST 100.
INTRODUCTION TO RELIGIOUS STUDIES
The purpose of this introductory course is to provide students with the foundational skills of the academic study of religion in order to apply them to an increased understanding of the role of religion in contemporary society. The course presents a broad overview that will provide students with a foundation for topical courses in the Religious Studies Department as well as the ability to engage religion thoughtfully and knowledgably in other disciplines. 3 credits.

Complete three of the four courses below and earn a grade of B or better in each course:

THE CATHOLIC TRADITION – COLLEGE PREP
#0003 Sophomore 1.00 credit Yearlong
We need ... to ensure that every Catholic understands how the Gospel and church teaching call us to choose life, to serve the least among us, to hunger and thirst for justice, and to be peacemakers. The sharing of our social traditions is a defining measure of Catholic education and formation (U.S. Catholic Bishops, Sharing Catholic Social Teaching). In the beginning...we learned how to help others. Take a peek into the past to discover the answers to how we are to embrace those less fortunate than us. Don’t just talk about making a difference, make one! Sophomore year theology class will focus primarily on the history of the Church after the resurrection of Jesus and will flow from the student’s understanding of the Acts of the Apostles. It will take seriously the role that Tradition has played in the development of the Church from its infancy to modern day. Some major themes to be addressed are the New Testament Church, the early Church Fathers and the early Church Councils, the study of Jesus the Christ (Christology), Constantine and the growth of Christianity, Monasticism, the Schism between East and West, the Papacy and its role, the Reformation and the Counter-Reformation, the Missions, the Enlightenment, with particular attention paid to Vatican II. Based upon the components of Catholic social teachings and the Sisters of Mercy Critical Concerns, this course also calls the students to assess their culture according to the criterion of justice and to move toward a posture of compassion that will lead each to work toward a just society. Seven themes of Catholic social teaching permeate this course of study: the dignity of the human person, the call to participation in the life of the community, rights and responsibilities of the individual, the preferential option for the poor, the dignity of work and the worker, the solidarity needed within the global community, and accountability for the care of God’s creation. This course is ultimately meant to stimulate faith in action and enhance the modern Church as it is understood in light of Vatican II. The Five Critical Concerns-non-violence, racism, ecology and the fundamental right to water, equality for women, dignity of immigrants-will be explored in depth during this course. This course will also take an in-depth exploration into the seven Sacraments of the Catholic Church by unearthing the scriptural references, the symbols and the theology of each sacrament.

CHRISTIAN ETHICS – COLLEGE PREP
#0007 Junior, Senior 1.00 credit Yearlong
Have you been faced with some serious consequences in your life because you neglected to make a good moral decision? This class will assist you in mastering the process of making sound moral decisions. The method employed in the course's decision-making process is critical reflection centered on Christian moral values. Students will delve into some possible future life decisions by means of small group and class discussions, as well as individual reflection. Students will be encouraged to search for personal answers to such questions as use and abuse of alcohol, premarital sex, the right to live and the right to die, and a host of equally critical contemporary ethical conflicts. There will be an extensive unit on beginning and end of life issues. Throughout this course of study the process is one of discovery; the end sought is moral commitment, which leads from awareness to action.
<table>
<thead>
<tr>
<th><strong>CHRISTIAN ETHICS – HONORS</strong></th>
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<tbody>
<tr>
<td>#0008 Junior, Senior 1.00 credit Yearlong</td>
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<tr>
<td>Prerequisite: Junior English IB or Honors</td>
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</table>
| Who am I? Who do I want to be? Who am I supposed to be? Who says? All of these questions and many more will be substantially explored in this year-long course. The method employed in the course's decision-making process is critical reflection centered on Christian moral values. Strong conversations make up a majority of the class time. Students will be encouraged to search for personal answers in light of the gospel values to such questions as classroom cheating, premarital sex, the right to live and the right to die, and a host of equally critical contemporary moral conflicts. There will be an extended essay entitled A Testimony to My Uniqueness. Throughout this course of study the process is one of discovery; the end sought is moral commitment that leads from awareness to action. Approximately every three to four weeks during this course the class time will be spent working at an inner city grade school with students in the primary grades. The purpose of this field experience is to move the students outside their “comfort zones” and activate the ethical maxim: if you want to be good, you must do good. Required reading for this honors level course includes, but is not limited to, three works of fiction.

<table>
<thead>
<tr>
<th><strong>EXPLORING RELIGIONS OF THE WORLD-COLLEGE PREP</strong></th>
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<tbody>
<tr>
<td>#0015 Senior 1.00 credit Yearlong</td>
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<tr>
<td>Students may choose to study one, two, or three terms of this course. A three-term study would constitute a yearlong Theology course. Term I focuses on Eastern Religions, term II will explore Western Religions and term III will examine Contemporary Religions. For more details on each term component, please see the course description below. Students who sign up for this yearlong course should not also request one of the term components as an elective. Term Components Term I Eastern Religions  Explore some of the oldest and most enduring religions from the East, including primarily Buddhism and Hinduism and the way in which they have addressed the important issues of life and death, worship and the formula for how life ought to be lived. This course will shed light on the lifestyles and values of a significant portion of the world population. Term II Western Religions Explore the Abrahamic religions of Judaism, Islam and Christianity. These three religions, connected by a common ancestry and sharing origins in the Bible, have had an incredible impact in shaping the world we know. Delve deeply into these fascinating religions and discover some of the greatest thinkers the world has known. Term III Contemporary Religions  Ever wonder what Scientologists believe or about the intricacies of Mormonism or Taoism? This course will explore several of the minor religions, both new and old, and the impact being felt in the current culture by adherents of those religions. Some of your preconceived notions may be challenged and replaced by a more systematic approach to studying these intriguing styles of worship.</td>
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</table>
**MATH 111. COLLEGE ALGEBRA** A course in algebra fundamentals, topics include sets, relations, functions, exponents and radicals, equations, inequalities, polynomial and rational functions, exponential functions, logarithmic functions, and graphing techniques. Prerequisite: MATH 102 or EQUIVALENT. 3 credits.

Complete two of the four courses below and earn a grade of B or better in each course:

**ALGEBRA I – HONORS**
#3004 Freshman 1.00 credit Yearlong
This course is designed for students who have been introduced to a variety of algebraic concepts and have met with success when applying them informally. These academically mature students will now be trained in a more rigorous approach to the subject. Topics such as simplifying algebraic expressions, substitution, solving equations, using formulas, graphing on the coordinate plane, and factoring are covered comprehensively. Students will be challenged to develop levels of competence necessary for success in more advanced areas of mathematics.

**ALGEBRA I – MPS PRE-IB**
#3006 Freshman 1.00 credit Yearlong
This course is designed for students who already have a good understanding of basic algebraic concepts. In preparation for the IB exam, the entire text - along with supplemental information - is covered. Students will be challenged with an accelerated pace as well as with a penetrating investigation of the curriculum. Topics such as simplifying algebraic expressions, substitution, solving equations, using formulas, graphing on the coordinate plane, and factoring are reviewed. In addition, sophisticated algebraic expressions and higher order equations are studied. Students then apply these concepts to real life situations and integrate concepts from other branches of mathematics.

**ALGEBRA II/TRIGONOMETRY – HONORS**
#3014 Sophomore, Junior 1.00 credit Yearlong
Prerequisite: Geometry Honors/Pre IB (grade B or above) and Algebra I Honors/Pre IB (grade B or above) or department recommendation. This course completes and combines the algebraic techniques and the trigonometry needed to prepare students for the study of calculus. Functions will be studied throughout the course, both their properties and their graphs. Linear, polynomial, rational, exponential, logarithmic, and trigonometric functions will be covered in depth. Topics from trigonometry are investigated such as the basic trigonometric functions, radian measure, trigonometric identities, solving trig equations, and solving right and oblique triangles. Students will make frequent use of the graphing calculator for course work.

**ALGEBRA II/TRIGONOMETRY – IB**
#3016 Sophomore, Junior 1.00 credit Yearlong
Prerequisite: Geometry Honors/Pre IB (grade B or above) and Algebra I Honors/Pre IB (grade B or above) or department recommendation. This course completes and combines the algebraic techniques and the trigonometry needed to prepare students for the study of calculus. Functions will be studied throughout the course, both their properties and their graphs. Linear, polynomial, rational, exponential, logarithmic, and trigonometric functions will be covered in depth. Topics from trigonometry are investigated such as the basic trigonometric functions, radian measure, trigonometric identities, solving trig equations, and solving right and oblique triangles. Students will make frequent use of the graphing calculator for course work. This is the first of a two year sequence to prepare the students for the standard level IB exams in math.