

KINGSBOROUGH COMMUNITY COLLEGE  
**SPRING 2021 Curriculum Committee Meeting**  
 Thursday, April 29, 2021  
 2:00 P.M. – 4:00 P.M.

[Join Zoom Meeting: https://us02web.zoom.us/j/82526537061?pwd=VEhya3NxBnl1UEVZYTU3d0xrU0E0UT09](https://us02web.zoom.us/j/82526537061?pwd=VEhya3NxBnl1UEVZYTU3d0xrU0E0UT09)

**AGENDA**

**Program Learning Outcomes (Informational Item)**

1. A.S. Theatre Arts

**SPECIAL ACTIONS**

N/A

**CHANGE IN DEGREE TYPE**

N/A

**CHANGE IN DEGREE REQUIREMENTS**

N/A

**NEW COURSES**

**Department of Physical Sciences**

**1. CHM 3000, Principles of Chemical Reactivity + Pathways Form**

Prerequisite: CHM 1100

Corequisite:

Pre-/Co-requisite:

Credits: 3

Equated Credits: N/A

Hours: 3 hours lecture

Course Description: Basic and advanced concepts of chemical reactivity, molecular geometry and electronic distribution in molecules. Topics include: Atomic theory, the periodic table, periodic trends and properties (with a focus on main group elements), bonding theories, Lewis structures and formal charges, valence bond theory, polar and non-polar molecules and bonds, resonance theory, molecular orbital theory: general principles; molecular orbitals for homo-nuclear and heteronuclear diatomic molecules, molecular orbital theory for organic molecules focusing on functional groups, principles of symmetry in molecules, chirality, isomerism, stereoisomerism, naming chiral centers; Newman, sawhorse and fisher projections, free-energy diagrams, reaction coordinates and transition states, reaction mechanisms: curved arrow symbolism, elementary steps.

**NEW 82 COURSES**

N/A

**COURSES FOR PATHWAYS APPROVAL**

**Department of Physical Sciences**

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| 1. CHM 3000, Principles of Chemical Reactivity, Flexible Core: Scientific World (Group E)   |  |  |
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| <b>CHANGES IN EXISTING COURSES</b>  |  |  |
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| <b>Department of Business</b>   |  |  |
| Change: Course Description:   |  |  |
| 1. ACC 3100, Cost Accounting  |  |  |
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| <b>FROM:</b>  |  | <b>TO:</b>   |
| Techniques and methods of cost accounting include cost concepts and analysis of costs, material control, accounting for labor, nature and application of manufacturing overhead (including factory overhead variance analysis), job order cost systems, process cost systems, and direct costing. |  | <b>This course explores manufacturer cost concepts, including overhead application, and systems of accounting for job-order-costing and process costing. Direct costing will be used in performing cost-volume-profit analysis. Examination will be conducted of budgets and variances between actual and standard results. Activity-based-costing as an alternative to determining cost basis will be observed. Differential analysis will be conducted to determine favorable outcomes.</b>  |
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| <b>Department of Communications and Performing Arts</b>   |  |  |
| Change: Course Title:   |  |  |
| 1. MUS 3000, Rudiments of Theory  |  |  |
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| <b>FROM:</b>  |  | <b>TO:</b>   |
| Rudiments of Theory   |  | <b>Introduction to Music Theory</b>  |
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| Change: Course Description:   |  |  |
| 2. MUS 3100, Introduction to Music  |  |  |
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| <b>FROM:</b>  |  | <b>TO:</b>   |
| Development of perceptive awareness of music through guided listening. Materials and forms of music and their use in musical literature.  |  | <b>Through this survey course in Western Music History, students will explore the evolution and history of music, ranging from the Medieval Period to the twenty-first century, through the study and analysis of musical works written by European and American composers. Students will listen to and analyze various art music genres including instrumental solo music, chamber and orchestral music, as well as vocal genres in order to examine the evolution of form, compositional techniques, and instruments that have occurred throughout the past one thousand years in Western Music. Further, students will engage in the critical listening of a variety of musical works from these time periods in order to assess elements such as texture, timbre and melody structure.</b> |

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| 3. SPE 2900, Voice and Articulation  |  |  |
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| <b>FROM:</b>   |  | <b>TO:</b>   |
| For students with acceptable speech who wish to study the theory of voice production and the proper formation of the sounds of speech as typified by American standard usage.<br>The mechanics of pitch, volume, quality and phonetic symbols.<br>Assistance to overcome minor speech and voice problems most commonly found in the New York City area.  |  | <b>A course designed for students</b> who wish to learn about the theory of voice production and the formation of the sounds of speech as <b>illustrated by English varieties and other languages. This course is particularly useful if you are interested in becoming a speech language pathologist, language teacher, linguist, speech scientist (developing software for speech recognition and synthesis), or speech coach.</b>   |
| 4. THA 4100, Production Practicum  |  |  |
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| <b>FROM:</b>   |  | <b>TO:</b>   |
| Practical experience working on theatre productions. Students are assigned to work on scenic construction, lighting, costumes, and other production tasks. This course may be repeated three times for a total of three (3) credits.   |  | <b>This practice-based course provides students with hands-on experience working onstage and backstage for live theatrical productions. Working within an ensemble of student and faculty theatre artists, students will practice and execute the theatre skills associated with acting, design, technical theatre, and stage management.</b> This course may be repeated three times for a total of three (3) credits.  |
| 5. THA 5200, Acting I: Fundamentals of Acting  |  |  |
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| <b>FROM:</b>   |  | <b>TO:</b>   |
| This survey course serves as an introduction to the theories, techniques, histories and applications of modern acting. Students will study fundamental concepts associated with Stanislavski acting theory including action/objective, beat analysis, vocal technique, emotional memory and physical awareness. Students will explore and apply these and other theories through various writing and reading assignments, as well as the interpretation and performance of diverse works of dramatic literature. |  | This course serves as an introduction to the theories, techniques, histories and applications of modern acting. Students will <b>examine</b> fundamental concepts associated with Stanislavski acting theory including action/objective, beat analysis, vocal technique, emotional memory and physical awareness. Students will <b>define</b> and apply these and other theories through various writing and reading assignments, as well as the interpretation and performance of diverse works of dramatic literature. |
| Change: Course Title and Description   |  |  |
| 6. THA 6700, History of the American Musical Theatre   |  |  |
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| <b>FROM:</b>   |  | <b>TO:</b>   |
| History of the American Musical Theatre  |  | History of Musical Theatre <b>in the United States</b>   |

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| <b>FROM:</b>  |  | <b>TO:</b>  |
| Development of the Broadway musical theatre from European operetta and American jazz backgrounds to the present day. Emphasis is on the musical and theatrical traditions of this form as well as on the changing styles in music, staging, and production values.  |  | <b>This survey course introduces students to the history of musical theatre, its major productions and significant artists. Students will explore the evolution of musical theatre through the lens of the historical, social and political developments in the United States throughout the 19th and 20th centuries. Through engagement with class lectures, group discussions, scholarly readings, analysis of multimedia and writing assignments, students will analyze, evaluate and differentiate the periods, productions and personalities central to the development of this unique theatre form.</b> |
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| 7. THA 6800, History of the Theatre: Origins to Jacobean  |  |   |
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| <b>FROM:</b>  |  | <b>TO:</b>  |
| History of the Theatre: Origins to Jacobean   |  | History of Theatre: <b>From Sophocles to Shakespeare</b>  |
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| <b>FROM:</b>  |  | <b>TO:</b>  |
| A survey of the history of the theatre from primitive origins to Jacobean times. Through the use of historical documents, to contemporary writings, and illustrations of architecture and costumes, the major periods of theatrical history covered are seen from an artistic and cultural point of view. Theatre as a cultural force set in its historical context is a major theme of this study. This course is recommended for students interested in liberal arts, fine arts, and those interested in a professional career. |  | <b>A survey course covering the history of theatre from ancient origins to 17th century Europe. Through the use of historical documents, representative plays, critical essays and renderings of architecture, costumes, scenery and production designs, this course will examine the major periods of theatre history through artistic, cultural, political and social perspectives. Further, the course explores the cultural prominence of theatre within various societal contexts, highlighting the development and diversity of theatre across the historical timeline.</b>                             |
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| <b>Department of English</b>  |  |   |
| Change: Prerequisite:   |  |   |
| 1. ENG 12A0, Composition I ALP  |  |   |
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| <b>FROM:</b>  |  | <b>TO:</b>  |
| Prerequisite(s): This course is open to the ALP Student Group. Eligibility is determined as follows: (1) Score of 50 - 55 on the CATW AND a Passing score on the CUNY Assessment Test in Reading, or (2) Passing grade in ENG 93A0, (3) Instructor approval AND passing grade in ESL 102 or ESL 91, or (4) CUNY Proficiency Index guidelines of 50-64.  |  | Prerequisite(s): This course is open to the ALP Student Group. Eligibility is determined as follows: (1) Score of 50 - 55 on the CATW AND Passing score on the CUNY Assessment Test in Reading, or (2) Passing grade in ENG 93A0, or (3) Instructor approval AND Passing grade in ESL 102 or ESL 91A7, or <b>(4) Grade of "S" in UIP ENGRW, or (5) CUNY Proficiency Index score of 50-64.</b>   |

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| 2. ENG 1200, Composition I  |   |
| <b>FROM:</b>  | <b>TO:</b>  |
| Prerequisite(s): Passed, exempt, or completed developmental course work for the CUNY Assessment Tests in Reading and Writing  | Prerequisite(s): Eligibility is determined as follows: (1) CUNY Proficiency Index score of 65 or higher; or (2) instructor placement from ESL coursework or placement via the ELSDA, or (3) Q exemption for English, or (4) passing grade in Eng 93A9, or (5) grade of P in UIP ENGRW, or (6) passing grade in CUNY Start, or (7) score of 55 or higher on the CATW and passing score on the CUNY assessment test in reading.   |
| <b>Department of History, Philosophy and Political Science</b>  |   |
| Change: Course Title and Description:   |   |
| 1. HIS 1100, American Civilization I  |   |
| <b>FROM:</b>  | <b>TO:</b>  |
| American Civilization I   | U.S. History I: From the Pre-Colonial Period through the Civil War  |
| <b>FROM:</b>  | <b>TO:</b>  |
| History of the American people from colonial times to the Civil War, includes: the birth and development of American society, the American Revolution, the rise of the common man, and conquest of the frontier, slavery and the Old South. | This class introduces students to historical developments that shaped this nation before and after its founding, such as slavery and the construction of race and racism; the fraught encounter between Native American peoples and white settlers; changes in the economy; debates over concepts such as freedom and liberty; the development of government structures; attempts by women, African Americans, and other disempowered groups to fight for their rights; and growing tensions over slavery, which would lead to the Civil War. |
| 2. HIS 1200, American Civilization II   |   |
| <b>FROM:</b>  | <b>TO:</b>  |
| American Civilization II  | U.S. History II: from Post-Civil War to the Present   |
| <b>FROM:</b>  | <b>TO:</b>  |

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| <p>American people from the Civil War to the present includes: reuniting the country after the Civil War the role of Blacks in American society, growth of American business, immigration, the rise of the United States as a world power, and American Society in the 20th century.</p> | <p><b>This class introduces students to fundamental challenges the U.S. faced after the Civil War, such as integrating four million formerly enslaved people during Reconstruction; deciding which groups should be allowed in as immigrants; relating as a more powerful nation to the rest of the world; responding to economic crises like the Great Depression; adapting to urbanization and suburbanization; addressing political polarization; and responding to demands for greater rights from workers, people of color, women, and other disenfranchised groups.</b></p> |
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| <p>3. HIS 6800, Women in American History</p>  |   |
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| <p><b>FROM:</b></p>  | <p><b>TO:</b></p>   |
| <p>Women in American History</p>   | <p><b>U.S. Women's History</b></p>  |
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| <p><b>FROM:</b></p>  | <p><b>TO:</b></p>   |
| <p>Examination of the status of women in the United States from colonial times to the present, the European precedents for the treatment of American women, the attempts to alter women's opportunities and rights, and the nature of reform movements in America.</p> | <p><b>This class introduces students to diverse women's experiences and activism from the pre-colonial era to the U.S. present, including the women's suffrage movement, feminism, and movements led by women of color.</b></p> |
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**Department of Mathematics and Computer Science**

Change: Course Description

1. CIS 2200, HTML Authoring and JavaScript

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| <p><b>FROM:</b></p>  | <p><b>TO:</b></p>  |
| <p>A second course in design and development of web pages emphasizing HTML coding, interactivity, animation and ecommerce applications of the World Wide Web. Students will develop their own web pages using web page software.</p> | <p>A second course in design and development of web pages emphasizing HTML coding, interactivity, animation and ecommerce applications of the World Wide Web. Students will develop their own web pages using web page software. <b>This course covers the content of Microsoft Exam 98-383: Introduction to Programming Using HTML and CSS.</b></p> |
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2. CIS 3100, Introduction to Database

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| <p><b>FROM:</b></p> | <p><b>TO:</b></p> |

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| <p>This course covers the basics of building relational databases and presenting the data in a user-friendly manner. The concepts of database normalization, data validation and referential integrity issues are stressed. The course utilizes Microsoft Access to cover these concepts but what is taught can easily be ported to large database systems such as Oracle and SQL Server. Data presentation layers using forms and reports are also covered as well as the basics of the SQL query language.</p> |  | <p>This course covers the basics of building relational databases and presenting the data in a user-friendly manner. The concepts of database normalization, data validation and referential integrity issues are stressed. The course utilizes Microsoft Access to cover these concepts but what is taught can easily be ported to large database systems such as Oracle and SQL Server. Data presentation layers using forms and reports are also covered as well as the basics of the SQL query language. <b>This course prepares students to take the Microsoft Office Specialist exam concentrating on Microsoft Access.</b></p> |
| <p>3. CIS 4500, Network Server Administration</p>  |  |   |
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| <p><b>FROM:</b></p>  |  | <p><b>TO:</b></p>   |
| <p>An introduction to concepts of networking and administration. Students will be guided in installing, configuring, and administering Microsoft Windows. Server network operating systems. A computer laboratory is available for hands-on training sessions.</p>   |  | <p>An introduction to concepts of networking and administration. Students will be guided in installing, configuring, and administering Microsoft Windows. Server network operating systems. A computer laboratory is available for hands-on training sessions. <b>This course prepares students for the CompTIA Network+ certification exam.</b></p>  |
| <p>4. CP 300, Computers and Society</p>  |  |   |
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| <p><b>FROM:</b></p>  |  | <p><b>TO:</b></p>   |
| <p>Introduction to computers and how they are used, as well as the impact they have had on society.</p>  |  | <p>Introduction to computers and how they are used, as well as the impact they have had on society. <b>The course explores the impact computers and information technology have had on society and demonstrates lessons via a variety of software tools and information technology resources. The course material includes coverage of subject matter that will prepare the student for the Google Workspace certification exam.</b></p>  |
| <p>5. CS 3700, Data Structures</p>   |  |   |
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| <p><b>FROM:</b></p>  |  | <p><b>TO:</b></p>   |
| <p>Introduction to data structures. Topics include: structures, arrays, stream files, stacks, recursive processes, recursive procedures and elementary simulation techniques.</p>  |  | <p>Introduction to data structures. Topics include: structures, arrays, stream files, stacks, recursive processes, recursive procedures and elementary simulation techniques. <b>By the end of this course, the third in a sequence of C++ programming courses, students have learned all the topics covered by the C++ Certified Associate Programmer Certification (CPA) exam.</b></p>  |

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| Change: Prerequisite:  |  |  |
| 6. MAT 1300, Survey of Mathematics and Computer Concepts   |  |  |
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| <b>FROM:</b>   |  | <b>TO:</b>   |
| Prerequisite(s): MAT R300 or MAT 9B0   |  | Prerequisite(s): MAT R300 or MAT 9B0 or <b>MAT 900</b>   |
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| 7. MAT 2200/BA 2200, Business Statistics   |  |  |
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| <b>FROM:</b>   |  | <b>TO:</b>   |
| Prerequisite(s): MAT R300 or MAT 9B0 with a grade of "C" or better.  |  | Prerequisite(s): MAT R300 or MAT 9B0 or <b>MAT 900</b> with a grade of "C" or better.  |
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| <b>Department of Physical Sciences</b>   |  |  |
| Change: Course Description:  |  |  |
| 1. CHM 1100, General Chemistry I   |  |  |
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| <b>FROM:</b>   |  | <b>TO:</b>   |
| <p>First of a two-semester lecture and laboratory sequence intended for science and engineering majors. Lecture topics include: atomic theory, stoichiometry of chemical reactions, types of reactions, introduction to acid-base, solubility, and reduction-oxidation chemistry, thermochemistry, quantum mechanical description of atoms, the elements and the periodic table, covalent bonding, molecular geometry, properties of real and ideal gases, liquids, and solids, and colligative properties of binary mixtures. Laboratory: An experimental approach to chemical sciences with emphasis on developing fundamental, reproducible laboratory techniques and a goal of understanding achieving precision and accuracy in laboratory experiments. Proper use of laboratory equipment and standard wet chemical methods are practiced. Areas of investigations include acid-base, precipitation, and reduction-oxidation chemistry, thermochemistry, ideal gases, spectroscopy, and green chemistry.</p> |  | <p>First of a two-semester lecture and laboratory sequence intended for science and engineering majors. Lecture topics include: atomic theory, stoichiometry of chemical reactions, types of reactions, introduction to acid-base, solubility, and reduction-oxidation chemistry, thermochemistry, quantum mechanical description of atoms, the elements and the periodic table, covalent bonding, molecular geometry, properties of real and ideal gases, liquids, and solids, and colligative properties of binary mixtures. Laboratory: An experimental approach to chemical sciences with emphasis on developing fundamental, reproducible laboratory techniques and a goal of understanding achieving precision and accuracy in laboratory experiments. Proper use of laboratory equipment and standard wet chemical methods are practiced. Areas of investigations include acid-base, precipitation, and reduction-oxidation chemistry, thermochemistry, ideal gases, spectroscopy, and green chemistry. <b>Student must complete CHM 1100 Laboratory - Initial Student Safety Instruction &amp; Certification prior to the first laboratory meeting. See Department of Physical Sciences website Chemistry Laboratory Safety section for information.</b></p> |
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| 2. CHM 1200, General Chemistry II  |  |  |
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| <b>FROM:</b>   |  | <b>TO:</b>   |



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| <p>Second semester of a two-semester lecture and laboratory sequence intended for science and engineering majors. Lecture topics include: introduction to kinetics, physical and chemical equilibrium, acid-base and solubility equilibrium, thermodynamics, electrochemistry, coordination chemistry, and introductions to nuclear, main group, and organic chemistry. Laboratory: An experimental approach to chemical sciences with emphasis on developing fundamental, reproducible laboratory technique and a goal of understanding and achieving precision and accuracy in laboratory experiments. Proper use of laboratory equipment and standard wet chemical methods are practiced. Areas of investigations include acid-base, precipitation, and reduction-oxidation equilibrium, spectroscopy, qualitative analysis, electrochemistry, and chemical synthesis.</p> |  | <p>Second semester of a two-semester lecture and laboratory sequence intended for science and engineering majors. Lecture topics include: introduction to kinetics, physical and chemical equilibrium, acid-base and solubility equilibrium, thermodynamics, electrochemistry, coordination chemistry, and introductions to nuclear, main group, and organic chemistry. Laboratory: An experimental approach to chemical sciences with emphasis on developing fundamental, reproducible laboratory technique and a goal of understanding and achieving precision and accuracy in laboratory experiments. Proper use of laboratory equipment and standard wet chemical methods are practiced. Areas of investigations include acid-base, precipitation, and reduction-oxidation equilibrium, spectroscopy, qualitative analysis, electrochemistry, and chemical synthesis. <b>Student must complete CHM 1200 Laboratory - Initial Student Safety Instruction &amp; Certification prior to the first laboratory meeting. See Department of Physical Sciences website Chemistry Laboratory Safety section for information.</b></p> |
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| 3. CHM 3100 - Organic Chemistry I   |  |   |
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| <b>FROM:</b>  |  | <b>TO:</b>  |
| <p>Modern concepts of organic chemistry includes: structure and bonding reaction mechanisms, stereochemistry, nomenclature and synthesis, and relationship between structure and reactivity of the functional groups representing the principal classes of organic compounds. Laboratory covers fundamental operations of organic chemistry including determination of physical properties, experimental reactions and procedures, basic instrumentation and analysis.</p>  |  | <p>Modern concepts of organic chemistry includes: structure and bonding reaction mechanisms, stereochemistry, nomenclature and synthesis, and relationship between structure and reactivity of the functional groups representing the principal classes of organic compounds. Laboratory covers fundamental operations of organic chemistry including determination of physical properties, experimental reactions and procedures, basic instrumentation and analysis. <b>Student must complete CHM 3100 Laboratory - Initial Student Safety Instruction &amp; Certification prior to the first laboratory meeting. See Department of Physical Sciences website Chemistry Laboratory Safety section for information.</b></p>  |
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| 4. CHM 3200 - Organic Chemistry II  |  |   |
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| <b>FROM:</b>  |  | <b>TO:</b>  |

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| <p>Continued study of structure and reactivity of organic compounds including structure and bonding, nomenclature, synthesis, stereochemistry and reaction mechanisms of the important functional groups of organic compounds. Laboratory covers basic processes of organic chemistry, advanced instrumental methods, study of functional groups and derivatives and qualitative organic analysis. Select students may be introduced to research methods.</p>          |  | <p>Continued study of structure and reactivity of organic compounds including structure and bonding, nomenclature, synthesis, stereochemistry and reaction mechanisms of the important functional groups of organic compounds. Laboratory covers basic processes of organic chemistry, advanced instrumental methods, study of functional groups and derivatives and qualitative organic analysis. Select students may be introduced to research methods. <b>Student must complete CHM 3200 Laboratory - Initial Student Safety Instruction &amp; Certification prior to the first laboratory meeting. See Department of Physical Sciences website Chemistry Laboratory Safety section for information.</b></p>          |
| <p>5. SCI 2500, Applied Physical Sciences for Allied Health Careers</p>  |  |  |
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| <p><b>FROM:</b></p>  |  | <p><b>TO:</b></p>  |
| <p>Lecture and laboratory course on chemistry and physics topics with direct bearing on health services. Includes: mechanics, electricity, optics, atomic energy, radioactivity, atomic structure, chemical bonding, chemical equations, behavior of gases, respiration and oxygen therapy, properties of liquids and solutions including hydrostatics and hydrodynamics, acids and bases, plus an introduction to organic and biochemistry and drug calculations.</p> |  | <p>Lecture and laboratory course on chemistry and physics topics with direct bearing on health services. Includes: mechanics, electricity, optics, atomic energy, radioactivity, atomic structure, chemical bonding, chemical equations, behavior of gases, respiration and oxygen therapy, properties of liquids and solutions including hydrostatics and hydrodynamics, acids and bases, plus an introduction to organic and biochemistry and drug calculations. <b>Student must complete SCI 2500 Laboratory - Initial Student Safety Instruction &amp; Certification prior to the first laboratory meeting. See Department of Physical Sciences website Chemistry Laboratory Safety section for information.</b></p> |
| <p>6. SCI 3700, Developments in the Physical Sciences (with Laboratory)</p>  |  |  |
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| <p><b>FROM:</b></p>  |  | <p><b>TO:</b></p>  |

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| <p>Basic concepts in the physical sciences and their applications in today's technologically advanced world are presented. The impact that modern technology has on our physical environment is examined. Selected topics include: pollution, ozone layer depletion, global climate change, pesticides and chemicals in food, energy sources (renewable and non-renewable), and medical and military applications of technology. Students will engage in science through application of the methods of science (e.g. empirical, experimental and scientific method). Students will develop the ability to formulate strong, logical, science-based arguments, evaluate and discuss environmental issues, and test hypotheses to improve problem solving skills.</p> |  | <p>Basic concepts in the physical sciences and their applications in today's technologically advanced world are presented. The impact that modern technology has on our physical environment is examined. Selected topics include: pollution, ozone layer depletion, global climate change, pesticides and chemicals in food, energy sources (renewable and non-renewable), and medical and military applications of technology. Students will engage in science through application of the methods of science (e.g. empirical, experimental and scientific method). Students will develop the ability to formulate strong, logical, science-based arguments, evaluate and discuss environmental issues, and test hypotheses to improve problem solving skills. <b>Student must complete SCI 3700 Laboratory - Initial Student Safety Instruction &amp; Certification prior to the first laboratory meeting. See Department of Physical Sciences website Chemistry Laboratory Safety section for information.</b></p> |
| 7. SCI 5100, Physical Sciences and the Environment (with Laboratory)  |  |   |
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| <b>FROM:</b>  |  | <b>TO:</b>  |
| <p>An investigation of important topics that involve the state of the environment from a scientific perspective. This course will cover topics that include global warming, stratospheric ozone depletion, acid rain, the carbon and nitrogen cycles, chemical and industrial pollution, the impact of fossil fuels, nuclear energy, and treatment. The gathering, analysis, interpretation, and presentation of scientific data. The measure of selected physical, chemical and geological properties that influence the structure and function of ecological systems. Selected standard techniques used to observe, sample and describe natural systems.</p>  |  | <p>An investigation of important topics that involve the state of the environment from a scientific perspective. This course will cover topics that include global warming, stratospheric ozone depletion, acid rain, the carbon and nitrogen cycles, chemical and industrial pollution, the impact of fossil fuels, nuclear energy, and treatment. The gathering, analysis, interpretation, and presentation of scientific data. The measure of selected physical, chemical and geological properties that influence the structure and function of ecological systems. Selected standard techniques used to observe, sample and describe natural systems. <b>Student must complete SCI 5100 Laboratory - Initial Student Safety Instruction &amp; Certification prior to the first laboratory meeting. See Department of Physical Sciences website Chemistry Laboratory Safety section for information.</b></p>  |
| 8. SCI 7000, The Science of Nutrition (with Laboratory)   |  |   |
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| <b>FROM:</b>  |  | <b>TO:</b>  |

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| <p>Learn and measure the physical and chemical properties that influence the structure and function of the chemical properties that influence the structure and function of nutritional systems. Gain experience with practical applications of nutritional science. Practice the gathering, analysis, interpretation, and presentation of scientific data. Learn standard techniques used to observe, sample and describe natural systems.</p> |  | <p>Learn and measure the physical and chemical properties that influence the structure and function of the chemical properties that influence the structure and function of nutritional systems. Gain experience with practical applications of nutritional science. Practice the gathering, analysis, interpretation, and presentation of scientific data. Learn standard techniques used to observe, sample and describe natural systems. <b>Student must complete SCI 7000 Laboratory - Initial Student Safety Instruction &amp; Certification prior to the first laboratory meeting. See Department of Physical Sciences website Chemistry Laboratory Safety section for information.</b></p> |
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| <p><b>COURSES WITHDRAWN</b></p>   |  |   |
| <p>N/A</p>  |  |   |
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| <p><b>INFORMATIONAL GUIDELINES FOR THE COMMITTEE</b></p>  |  |   |
| <p><b>1. Pathways 6-year review - All Pathways course syllabi have the same Pathways Learning Outcomes and posted on homepage</b></p>   |  |   |
| <p><b>2. Credit for Prior Learning</b></p>  |  |   |
| <p><b>3. Systematic Department Cataloging and Tracking of Curricular Information - PLO's, Course Learning Outcomes, Syllabi, etc.</b></p>   |  |   |
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