ACC 360  Accounting Cooperative Education/Internship  Credit 3  
Co-ops and internships are on-the-job paid experiences in the area of accounting in business or government that serve as a laboratory for integrating the theoretical with practical experiences. Co-ops are for six months duration and worth up to 6 credits, whereas internships are for summer employment and worth up to 3 credits. Students may arrange for co-ops or internships in their junior and senior year. Prerequisite: ACC 204 and permission of the department chairperson.

20669(30)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA

APS 399  Atmospheric & Planetary Science Seminar  Credit 1  
A seminar class on a topic related to space, earth, and atmospheric sciences. Faculty, students and invited speakers will prepare and present material related to the topic. May be repeated for a total up to 3 credits.

20864(30)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA

APS 401  Atmospheric & Planetary Science Research  Credit 3  
Students will perform geoscience research with a mentor. The student will be responsible for writing a short proposal on an atmospheric research project, gathering the necessary data, writing a short research paper, and presenting the research to their peers and interested faculty and staff at a departmental colloquium. Co-requisite: APS 307, 350, 351 or CHE 509.

20863  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA

APS 697  APS Research  Credit 1-12  
Research on problems leading to a thesis or dissertation. A total of no more than 6 hours of APS 697 research will be given a letter grade; all other credit hours will be graded as Satisfactory/Unsatisfactory.

20867(31)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA
20868(32)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA
20869(35)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA
20870(36)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA
20871(37)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA

APS 698  Thesis  Credit 1  
This course will be graded as Satisfactory/Unsatisfactory.

21088(30)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA

APS 797  APS Dissertation Research  Credit 1-12  
Research on problems leading to a thesis or dissertation. A total of no more than 6 hours of APS 797 research will be given a letter grade; all other credit hours will be graded as Satisfactory / Unsatisfactory.

20872(31)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA
20873(32)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA
20874(33)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA
20875(34)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA
20889(35)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA

APS 798  Final Oral Examination  Credit 1  
This course will be graded as Satisfactory/Unsatisfactory.

21089(30)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA

ARC 305  International Urban Travel Studio VII  Credit 3  
An internationally based experience in design, theory, and the history of architecture and urbanism. Topics include theories of urban form, design in the historical context, architectural histories particular to location, the relation of architecture and urbanism to the social and cultural setting, and freehand drawing and sketching. Prerequisites: ARC 101, 102, 200, 201, 202, 203, 204, 207, 208, 213, 303, 317 and MAT 118, 119, PHY 201.

20917(30)  Session 1  05/31 – 06/24/22  TBA  TBA  TBA
20918(31)  Session 1  05/31 – 06/24/22  TBA  TBA  TBA

ARC 306  International Urban Travel Design Studio VIII  Credit 3  
Urban design studio for a project studied while traveling. Students will work in collaboration to develop a proposal for a quarter of a city visited in ARC 305. Prerequisites: ARC 101, 102, 200, 201, 202, 203, 204, 207, 208, 213, and 303; MAT 118; PHY 201.

20927(30)  6 week Session (Canada)  06/14 – 07/22/22  TBA  TBA  TBA
20893(31)  6 week Session (France)  06/14 - 07/22/22  TBA  TBA  TBA
ART 501 Special Project in Art I
Individual projects in studio art selected by the student for advance investigation with the written approval of the chairperson. May not duplicate existing course. May be repeated.

20687(30) 6 week Session 06/14 - 07/22/22 M T W R F 10:00 – 11:50 AS 203
20722(31) 6 week Session 06/14 - 07/22/22 M T W R F 12:00 – 1:50 AS 203

ART 502 Special Project in Art II
Individual projects in studio art selected by the student for advance investigation with the written approval of the chairperson. May not duplicate existing courses. May be repeated.

20688(30) 6 week Session 06/14 – 07/22/22 M T W R F TBA AS 203

BIO 105 Introduction to Biology 1
A two-semester course that will introduce students to principles of organic evolution, molecular biology, cell structure and function, genetics, reproduction and development; the role of evolution in structuring the diversity of life, common and diverse solutions to the problems of survival, the interactions between individuals, populations and the environment.

20963(30) 6 week Session 06/14 - 07/22/22 M T W R F 10:00 - 11:50 DU 109
20964(79) (Lab) 6 week Session 06/14 - 07/22/22 M W 1:00 - 2:50 DU 311

CDS 425 Supervised Experience in Speech Pathology and Audiology I
Experience in schools and clinics with emphasis on recognition, diagnosis and treatment of speech in diverse populations. Emphasis on report writing and sensitivity to cultural differences across caseloads. Students must accumulate supervised clock hours while demonstrating application of professional practices. Prerequisite:
CDS 315 and 316.

21116(30) 6 week Session 06/14 – 07/22/22 M T W R F 8:00 – 1:50 ST 214

CDS 618 Advanced Clinical Practicum
Supervised experience in schools, clinics and hospitals, with emphasis on screening, diagnosis, and treatment of speech, language, voice and fluency disorders. Course work involves the study of theories, principles and approaches used in diagnosis /remediation of communication disorders and applications of research techniques in speech / language therapy.

20693(30) 6 week Session 06/14 - 07/22/22 M T W R F 8:00 - 1:50 ST 321

CDS 622 Family Intervention Strategies in Communication Disorders
Study of principles, theories and approaches to intervention with the communication disordered and their families. Students must participate in a supervised experience in counseling with parents/family members.

20695(30) 6 week Session 06/14 - 07/22/22 M W 2:00 - 4:50 ST 214

CDS 625 Motor Speech Disorders
Course content will include a thorough study of the motor system, its components, its structure and its function. An intense evaluation of dysarthria and apraxia of speech, their etiologies, evaluation and specific treatment recommendations will be discussed. Management strategies for patients/clients of various ages from diverse backgrounds with diverse etiologies and characteristics will be reviewed, demonstrated and evaluated. Prerequisites: CDS 224, 227, 228, 300, 305, 310, 331, 431, and 438.

20756(30) 6 week Session 06/14 – 07/22/22 T R 2:00 - 4:50 ST 214
21017(31) 6 week Session 06/14 - 07/22/22 TBA TBA TBA

CDS 702 Graduate Comprehensive
This credit will not count towards the degree. Prerequisites: Must have completed all course work for program of study, research project, and 350 supervised clock hours of clinical practicum.

20696(30) 6 week Session 06/14 - 07/22/22 TBA TBA TBA

CHE 114 Introduction Research Topics in Chemistry
Designed for freshman level undergraduates. Emphasis will be placed upon introduction to areas of chemistry research, regular attendance at appropriate seminars, techniques of literature searches, and background study. This course may be taken twice. Prerequisite: Consent of the department chairperson.

21095(30) Pre-College 06/21 – 07/22/22 TBA TBA TBA
CHE 201  General Chemistry/Qualitative Analysis I  Credit 4
Detailed consideration of compounds, chemical equilibrium, and elementary qualitative analysis. This course serves as a prerequisite course for all subsequent chemistry courses. Prerequisite: A grade of “C” or better is required in CHE 201 before enrolling in CHE 202.  Corequisite: MAT 118.

20742(30)  Session 1  05/31 – 06/24/22  M T W R F  8:00 – 9:50  TU 140
20743(79)  Lab  05/31 – 06/24/22  M W F  1:00 – 3:50  TU 209
21096(31)  Pre-College  06/21 – 07/22/22  M T W R F  TBA  TBA
21097(80)  Lab  06/21 – 07/22/22  TBA  TBA  TBA

CHE 202  General Chemistry Qualitative Analysis II  Credit 4
Detailed consideration of compounds, chemical equilibrium, and elementary qualitative analysis. This course serves as a prerequisite course for all subsequent chemistry courses. Prerequisite: A grade of “C” or better is required in CHE 201 before enrolling in CHE 202.  Co-requisite: MAT 118.

20904(30)  Session 111  (2nd 4 week)  06/27 – 07/22/22  M T W R F  10:00-11:50  TU 140
20905(79)  Session 111  (LAB)  06/27 – 07/22/22  M T  1:00-5:50  TU 209

CHE 214  Basic Research Topics in Chemistry  Credit 1-6
Designed for sophomore level undergraduates. Emphasis will be placed upon introduction to basic techniques of conducting research and literature review, regular attendance at selected seminars, and directed work on a research project in chemistry. This course may be taken twice. Prerequisite: Consent of the research mentor. “Graded on S/U basis only”.

20703(30)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA

CHE 301  General Organic Chemistry I  Credit 4
Systematic study of the sources, nomenclature, properties and uses of carbon compounds. Prerequisite: CHE 201-202, with a grade of “C” or better in each course for chemistry majors. At least a “C” is required in CHE 301 before enrolling in CHE 302.

20912(30)  Session 1  05/31 – 06/24/22  M T W R F  10:00-11:50  DU 110
20813(79)  Lab  05/31 – 06/24/22  T W F  1:00-5:50  TU 303
20841(31)  Session 1  05/31 – 06/24/22  M T W R F  10:00-11:50  TU 238
20842(80)  Lab  05/31 – 06/24/22  T W F  1:00-5:50  TU 308

CHE 302  General Organic Chemistry I  Credit 4
Systematic study of the sources, nomenclature, properties and uses of carbon compounds. Prerequisite: CHE 201-202, with a grade of “C” or better in each course for chemistry majors. At least a “C” is required in CHE 301 before enrolling in CHE 302.

20914(30)  Session 111  06/27 – 07/22/22  M T W R F  10:00-11:50  DU 110
20915(79)  Lab  06/27 – 07/22/22  W R  1:00-5:50  TU 303
20843(31)  Session 111  06/27 – 07/22/22  M T W R F  10:00-11:50  TU 238
20844(80)  Lab  06/27 – 07/22/22  M T  1:00-5:50  TU 303

CHE 303  Introduction to Biochemistry  Credit 4
A two-semester introductory course sequence focusing on the study of chemical principles as they relate to molecular biology. Emphasis will be placed on the study of general principles of biochemistry, including the structure, properties, function of biomolecules. The laboratory component will focus on the use of established biochemical techniques to study biochemical processes and related molecular biology principles. Prerequisite: CHE 301 with a grade of “C” or better in all four.

21091(31)  Session 111  06/27 – 07/22/22  M T W  12:00-2:50  TU 331
21092(80)  Session 111  06/27 – 07/22/22  R F  1:00-5:50  TU 308

CHE 314  Introduction to Chemical Research I  Credit 3
A two-semester course sequence designed to provide chemical research initiation and enrichment for junior chemistry majors. Emphasis is placed on the orientation of students to the general and specific objectives of research and to the use of research tools and techniques. Student will perform entry level research under close supervision.

20704(30)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA

CHE 315  Introduction to Chemical Research II  Credit 3
A two-semester course sequence designed to provide chemical research initiation and enrichment for junior chemistry majors. Emphasis is placed on the orientation of students to the general and specific objectives of research and to the use of research tools and techniques. Student will perform entry level research under close supervision.

20705(30)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA
CHE 415  Chemical Research Applications  Credit 3
A two-semester research course sequence for senior chemistry majors. It is the sequel to CHE 314-315. Accordingly, the course offers a more rigorous and comprehensive foundation in research fundamentals and techniques. To enroll, students must have completed the CHE 314-315 sequence. Students who take one or both courses of the CHE 414-415 sequence must also write a research paper. Both CHE 414 and CHE 415 meet for a minimum of 20 hours per week for a period of 4 weeks.

20706(30)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA

CHE 650  Thesis Research  Credit 2-6
Emphasis upon materials, techniques, and subject-matter content that may form the basis for a problem. Prerequisite: Consent of department chairperson.

20707(30)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA
21080(31)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA
21081(32)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA

CHE 681  Thesis  Credit 4

20708(30)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA

CHE 700  Thesis Registration  Credit 1

20709(30)  6 week Session  06/14 – 07/22/22  TBA  TBA  TBA

COM 103  Oral Communication  Credit 3
A one-semester laboratory in oral communications integrated with the freshman communications program. Emphasis on principles of reasons, arrangement of ideas, establishment of personal style, discovery of material and investigation of various techniques of expression. Presentation of carefully prepared classroom assignments. Passing grade of C.

20691(36)  6 week Session  06/14 - 07/22/22  M T W R F  8:00 - 9:15  AR 235
20692(38)  6 week Session  06/14 - 07/22/22  M T W R F  11:00-12:15  AR 220
20689(30)  Pre-College  06/21 - 07/22/22  M T W R F  1:00 - 2:45  AR 221
20690(31)  Pre-College  06/21 - 07/22/22  M T W R F  10:00-11:45  AR 221
20717(33)  Pre-College  06/21 - 07/22/22  M T W R F  8:00 - 9:45  AR 221
20901(35)  Pre-College  06/21 - 07/22/22  M T W R F  8:00 - 9:45  AR 241
20902(37)  Pre-College  06/21 - 07/22/22  M T W R F  10:00-11:45  AR 241
20823(39)  Pre-College  06/21 - 07/22/22  M T W R F  1:00 – 2:45  AR 236

COU 602  Abnormal Behavior & Psychopathology  Credit 3
An introductory study of principles of mental health, including prevention, intervention, consultation, education, and advocacy. Discussion of causes and processes in the development and treatment of mental disorders. Specific principles and models of biopsychosocial assessments, case conceptualization, and theories of human development and concepts of psychopathology leading to diagnoses and appropriate treatment plans will be discussed. Basic classifications, indications, and contraindications of psychopharmacological medications will be discussed.

20987(30)  6 week Session  06/14 - 07/22/22  TBA  TBA  TBA

COU 603  Counseling with Diverse Populations  Credit 3
Addresses the effects of racism, sexism, power, privilege, culture, age, religion, disability, and ethnicity on personality development and behavior with implications for seeking clinical mental health counseling. Discusses multicultural and pluralistic trends to include attitudes, beliefs, understandings, and acculturative experiences to include spirituality. Counselors’ roles in social justice, advocacy and conflict resolution, cultural self-awareness, the nature of biases, prejudices, processes of intentional and unintentional oppression and discrimination, and other culturally supported behaviors that are detrimental to the growth of the human spirit, mind, or body will be discussed.

21001(30)  Session 111  (2nd 4 week)  06/27 – 07/22/22  TBA  TBA  TBA

COU 610  Ethics & Legal Aspects of Counseling (Graduate)  Credit 3
Provides an overview of the history and philosophy of the counseling profession, including significant events, professional roles, professional organizations and credentialing, advocacy, and ethical and legal standards. Provides an understanding of counseling and consultation processes to include characteristics and behaviors to influence helping processes, introduction to counseling theories and system perspectives along with legal perspectives. Counseling supervision models, practices and processes will be introduced and discussed. Discusses the integration of technological strategies and applications within counseling and consultation
process. Examines current system of intervention and engages students in analysis from the perspective of its usefulness to
counseling. This course will include reflective exercises for self-assessment, experiential experiences with counselors, and a growth
model for professional development.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Session Type</th>
<th>Dates</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>COU 614</td>
<td>Community Mental Health and Welfare Services (Graduate)</td>
<td>Credit 3</td>
<td>Session 1</td>
<td>05/31 – 06/24/22</td>
<td>T R</td>
<td>4:00 – 6:50</td>
<td>PH 207</td>
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<td>COU 618</td>
<td>Counseling Practicum</td>
<td>Credit 3</td>
<td>Session 1</td>
<td>05/31 – 06/24/22</td>
<td>M W</td>
<td>4:00 – 6:50</td>
<td>PH 208</td>
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<tr>
<td>COU 620</td>
<td>Marriage and Family Counseling (Graduate)</td>
<td>Credit 3</td>
<td>10 week Session</td>
<td>05/16 – 07/22/22</td>
<td>TBA</td>
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<tr>
<td>COU 624</td>
<td>Theories of Learning, Personality and Temperament (Graduate)</td>
<td>Credit 3</td>
<td>Session 1</td>
<td>05/31 – 06/24/22</td>
<td>T R</td>
<td>7:00 – 9:45</td>
<td>PH 208</td>
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<tr>
<td>COU 626</td>
<td>Crisis Intervention &amp; Grief Counseling</td>
<td>Credit 3</td>
<td>6 week Session</td>
<td>06/14 – 07/22/22</td>
<td>TBA</td>
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<tr>
<td>COU 631</td>
<td>Foundations of School Counseling, Ethics and Techniques</td>
<td>Credit 3</td>
<td>Session 1</td>
<td>05/31 – 06/24/22</td>
<td>M W</td>
<td>4:00 – 6:45</td>
<td>PH 211</td>
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<tr>
<td>COU 633</td>
<td>Contextual Dimensions of School Counseling</td>
<td>Credit 3</td>
<td>Session 1</td>
<td>05/31 – 06/24/22</td>
<td>M W</td>
<td>4:00 – 6:50</td>
<td>PH 208</td>
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Theories and models of organizational behavior along with leadership and approaches to organizational change will be discussed.

COU 635  Schl Counseling Classroom Mgt, Curriculum Design and Lesson Plan Development  Credit 3
Design of the curriculum, development of lesson plans, and differentiated instructional strategies will be discussed along with the principles of curriculum construction and their significance to curriculum planners. The relationship of the school counseling program to the academic mission of the school will also be discussed. Students will select and apply a model of curriculum evaluation. Effective classroom management strategies will be discussed, demonstrated, and practiced with an emphasis on designing, implementing, and evaluating strategies. Conscious discipline and differentiated instructional strategies will be discussed along with preventive, supportive, and corrective discipline. The course addresses diverse approaches based upon behavioral, cognitive, affective, social, and ecological theory and practice. Students will be expected to develop their own personal system of discipline.

COU 649  College Student Development Internship Graduate  Credit 1-6
Student must complete a supervised internship of 600 clock hours that will only begin after completion of the required practicum. The internship will be for various credits during the semester to equal 100 clock hours for each credit. The number of credits must be approved and may be altered by academic advisor or Coordinator of the Graduate Program in Counseling. This internship will include a minimum of 240 clock hours of direct service with clients with supervision at an approved site. A formal evaluation will be performed. Classes will be limited to approximately six students. Specific ethical and legal standards will be discussed. This course may be taught in conjunction with practicum and/or internship courses. This is a pass/fail course.

COU 659  Community Counseling Internship (Graduate)  Credit 3
Student must complete a supervised internship of 600 clock hours that will only begin after completion of the required practicum. The internship will be for various credits during the semester to equal 100 clock hours for each credit. The number of credits must be approved and may be altered by academic advisor or Coordinator of the Graduate Program in Counseling. This internship will include a minimum of 240 clock hours of direct service with clients with supervision at an approved site. A formal evaluation will be performed. Classes will be limited to approximately five students. Specific ethical and legal standards will be discussed. This is a pass/fail course. Prerequisite: COU 618.

COU 661  Integrative Issues in Spiritual Counseling (Graduate)  Credit 3
Provides an overview of how the helping profession within a spiritual foundation can aid in the healing of individuals, families, and our communities and neighborhoods. A focus will be provided on application of existential and biblical principles to psychological theories and counseling methodologies.
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<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Description</th>
<th>Schedule</th>
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<tbody>
<tr>
<td>COU 662</td>
<td>Spiritual Direction (Graduate)</td>
<td>3</td>
<td>Introduction to the ministry of spiritual direction: nature of spiritual direction; preparation and role of spiritual director, relationship of spiritual direction to counseling, and current issues in spiritual direction. Formulation of personal approach to spiritual direction. Lecture will include personal experience format.</td>
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<td>20907(30)</td>
<td>Session 1</td>
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<tr>
<td>COU 664</td>
<td>Community Mental Health Internship</td>
<td>3</td>
<td>Student must complete a supervised internship of 300 clock hours that will only begin after completion of the required community agency internship. This internship will include a minimum of 120 clock hours of direct service with clients with supervision at an approved site. A formal evaluation will be performed. Classes will be limited to approximately five students. Specific ethical and legal standards will be discussed. This course may be taught in conjunction with practicum and/or internship courses. This is a pass/fail course. Prerequisite: COU 659.</td>
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<td>20923(30)</td>
<td>10 week Session</td>
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<td>05/16 – 07/22/22</td>
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<td>COU 698</td>
<td>Counseling Internship</td>
<td>3</td>
<td>Student must complete a supervised internship of 300 clock hours that will only begin after completion of the required practicum. The internship course will be used as an addendum to other Internship courses to allow the student flexibility in attaining the required 600 clock hours and the 6 semester hour credits. The number of credits must be approved and may be altered by academic advisor or Coordinator of the Graduate Program in Counseling. The overall internship will include a minimum of 240 clock hours of direct service with clients with supervision at an approved site. The overall internship will include the opportunity to develop program appropriate audio and/or videotapes of students' interactions with clients for use in supervision. A formal evaluation will be performed. Classes will be limited to approximately five students. Specific ethical and legal standards will be discussed. This course may be taught in conjunction with practicum and/or internship courses. This is a pass/fail course. Prerequisite: COU 618.</td>
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<tr>
<td>20924(30)</td>
<td>10 week Session</td>
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<td>COU 672</td>
<td>Addiction Counseling</td>
<td>3</td>
<td>Roles and settings of addiction counselors especially with special populations to include adolescents, women, ethnic groups and the elderly will be discussed. Risk factors, co-occurring disorders, and education programs will be discussed. A focus will be provided on classifications, indications, and contraindications of commonly prescribed psychopharmacological medications for referrals and consultation. Professional organizations, preparation standards, and credentials relevant to the practice of addiction counseling will be identified.</td>
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<td>20909(30)</td>
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<td>COU 675</td>
<td>Addiction Counseling Internship Graduate</td>
<td>3</td>
<td>Students must complete a supervised internship of 300 clock hours that will only begin after completion of the required addiction counseling practicum. This internship will include a minimum of 120 clock hours of direct service with clients with supervision at an approved site. A formal evaluation will be performed. Classes will be limited to approximately six students. Specific ethical and legal standards will be discussed. This course may be taught in conjunction with practicum and/or internship courses. This is a pass/fail course. Prerequisite: COU 659.</td>
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<tr>
<td>20983(30)</td>
<td>6 week Session</td>
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<tr>
<td>COU 702</td>
<td>Master's Comprehensive Exam</td>
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<td>This examination is “pass/fail.”</td>
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<td>20882(30)</td>
<td>Session 1</td>
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<td>COU 710</td>
<td>Ethics and Legal Aspects of Counseling</td>
<td>3</td>
<td>Provides an overview of the history and philosophy of the counseling profession, including significant and events, professional roles, professional organizations and credentialing, advocacy, and ethical and legal standards. Provides an understanding of counseling and consultation processes to include characteristics and behaviors to influence helping processes, introduction to counseling theories and system perspectives along with legal perspectives. Counseling supervision models, practices and processes will be introduced and discussed. Discusses the integration of technological strategies and applications within counseling and consultation processes. Examines current system of intervention and engages students in analysis from the perspective of its usefulness to counseling. This course will include reflective exercises for self-assessment, experiential experiences with counselors, and a growth model for professional development.</td>
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<tr>
<td>20877(30)</td>
<td>Session 1</td>
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<tr>
<td>Course</td>
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<tr>
<td>COU 722</td>
<td>Advanced Counseling Theory and Technique</td>
<td>Credit 3</td>
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<tr>
<td>COU 801</td>
<td>Counseling Leadership and Advocacy</td>
<td>Credit 3</td>
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<tr>
<td>COU 823</td>
<td>Theories of Counseling Education</td>
<td>Credit 3</td>
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<tr>
<td>CSC 100</td>
<td>Problem Solving in Computer Science</td>
<td>Credit 3</td>
<td></td>
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<tr>
<td>CSC 120</td>
<td>Introduction to Computers</td>
<td>Credit 3</td>
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<tr>
<td>CSC 300</td>
<td>Co-op Work-Study</td>
<td>Credit 6</td>
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<tr>
<td>CSC 700</td>
<td>Thesis Registration</td>
<td>Credit 1</td>
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<tr>
<td>CSC 722</td>
<td>Advanced Counseling Theory and Technique</td>
<td>Credit 3</td>
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<tr>
<td>EDU 295</td>
<td>Learning to Learn</td>
<td>Credit 3</td>
<td></td>
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</tr>
<tr>
<td>EGR 101</td>
<td>Introduction to Engineering</td>
<td>Credit 2</td>
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</table>

Foundations of mental health counseling will be discussed to include ethical and legal considerations (AMHCA Code of Ethics). Critical review of theories and practice of the techniques and principles of counseling will be conducted. Career development, group work, crisis/disaster response, systems and consultation will be discussed. Evaluation of counseling effectiveness will be discussed.

Theories, skills, and models of counseling leadership and advocacy will be discussed. Multicultural issues as they relate to social change theories, and current topical and political issues in counseling will be discussed.

Topics will include theories and practice of instructional theory and methods relevant to counselor education. Pedagogy relevant to current social to cultural issues will be discussed.

Employment or training program in government or industry in which student makes significant use of computer science skills.

This course helps the student understand how computers can be used to enhance his or her personal, academic or professional life. A hands-on approach is used to introduce students to various software packages for word processing, spreadsheet applications, and database management.

Course prerequisites: CSC 205, 252, and permission of department chairperson.

Employment or training program in government or industry in which student makes significant use of computer science skills.

Designed to enhance student skills in generating questions, reading for comprehension, scheduling course work, developing strategies for studying for examinations, writing to answer questions, and writing term papers.

An introduction to professions in engineering. Exposure to fundamental engineering concepts, decision making, and problem solving techniques. Discussion of units and dimensions. Introduction to data presentation and error analysis. Solution of simple engineering problems. Prerequisite: MAT 117.

This credit will not count towards the degree. Graded S/U only.
**ENG 100**  
**Fundamental Writing**  
Credit 3  
A one semester course specifically designed for those students who before proceeding to ENG 101 could benefit from a concentrated review of grammar, mechanics, sentence structure, usage, and the development of fundamental writing skills. These students are placed and/or other available data. Offered on an S/U basis, this course does not count toward the English requirement of general education. Before enrolling in ENG 101, students must pass ENG 100 at the "S" level.

<table>
<thead>
<tr>
<th>Course Code (Units)</th>
<th>Term</th>
<th>Days</th>
<th>Start Date</th>
<th>End Date</th>
<th>Time</th>
<th>Location</th>
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<td>Pre-College</td>
<td>06/21 - 07/22/22</td>
<td>M T W R F</td>
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<td>20701(42)</td>
<td>Pre-College</td>
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<td>AR 236</td>
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<td>20728(45)</td>
<td>Pre-College</td>
<td>06/21 - 07/22/22</td>
<td>M T W R F</td>
<td>3:00 - 4:45</td>
<td>AR 214A</td>
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</table>

**ENG 101**  
**Written Communication I**  
Credit 3  
Introductory sequence in composition, contributing to the liberal education of students, regardless of their majors. Approaches writing as a process & provides experience in writing with various aims and rhetorical strategies. ENG 101 emphasizes the expressive and expository aims. ENG 102, focusing upon the persuasive and literary aims, includes the development of a research paper. Prerequisites: Satisfactory completion ("S") of ENG 100 (for those placed in this course) is a pre-requisite for ENG 101; satisfactory completion of ENG 101 ("C" or better) is a prerequisite for ENG 102.

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<tr>
<th>Course Code (Units)</th>
<th>Term</th>
<th>Days</th>
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<td>Pre-College</td>
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<td>20891 (H31)</td>
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<tr>
<td>20992 (H32)</td>
<td>Pre-College</td>
<td>06/21 - 07/22/22</td>
<td>M T W R F</td>
<td>8:00 - 9:45</td>
<td>AR 115</td>
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</tbody>
</table>

**ENG 102**  
**Written Communication II**  
Credit 3  
An introductory sequence in composition, approaching writing as a process providing students with experience in writing with various aims and rhetorical strategies. Focusing upon the persuasive and literary aims, ENG 102 includes the development of a research paper. Passing grade for Written Communications is "C".

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<tr>
<th>Course Code (Units)</th>
<th>Term</th>
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<th>Start Date</th>
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<td>06/14 – 07/22/22</td>
<td>TBA</td>
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**FIN 360**  
**Finance Coop Edu / Internship**  
Credit 3-9  
Co-ops and internships are on-the-job experiences in the area of finance in business or government to serve as a laboratory for integrating the theoretical with practical experiences. Co-ops are for a six-month duration and worth up to 9 credits, whereas internships are for summer employment and worth up to 3 credits. Students may arrange for coops or internships in their junior and senior years. Pre-requisites: Permission of the department chair.

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<thead>
<tr>
<th>Course Code (Units)</th>
<th>Term</th>
<th>Days</th>
<th>Start Date</th>
<th>End Date</th>
<th>Time</th>
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<td>Session 1</td>
<td>05/31 - 06/24/22</td>
<td>M T W R F</td>
<td>10:00-11:50</td>
<td>HO 163</td>
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</table>

**HEA 211**  
**First Aid, CPR and Safety**  
Credit 3  
Designed to provide background in the areas of First Aid, Cardiopulmonary resuscitation and basic concepts of safety. National Safety Council Standard First Aid and Cardiopulmonary Resuscitation certificates will be awarded upon successful completion of the course.

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<thead>
<tr>
<th>Course Code (Units)</th>
<th>Term</th>
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<th>Start Date</th>
<th>End Date</th>
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<tr>
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<td>Session 1</td>
<td>05/31 - 06/24/22</td>
<td>M T W R F</td>
<td>10:00-11:50</td>
<td>HO 163</td>
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**HIS 106**  
**World Civilization II**  
Credit 3  
A lecture course that survey the period from the French Revolution to the present. Emphasizes economic, religious, intellectual, social (gender, race, age etc.) political and military history.

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<tr>
<th>Course Code (Units)</th>
<th>Term</th>
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<th>Start Date</th>
<th>End Date</th>
<th>Time</th>
<th>Location</th>
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<tbody>
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<td>20817(35)</td>
<td>Pre-College</td>
<td>06/21 - 07/22/22</td>
<td>M T W R F</td>
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<td>MK 117</td>
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<tr>
<td>20818(36)</td>
<td>Pre-College</td>
<td>06/21 – 07/22/22</td>
<td>M T W R F</td>
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<tr>
<td>20731(37)</td>
<td>Pre-College</td>
<td>06/21 - 07/22/22</td>
<td>M T W R F</td>
<td>10:00-11:45</td>
<td>MK 113</td>
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**HIS 107**  
**Survey of African American History**  
Credit 3  
A survey of Black experiences in the Americas from 1500 to the present. Includes material about peoples and institutions of pre-colonial Africa and the Atlantic slave trade.

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<tr>
<th>Course Code (Units)</th>
<th>Term</th>
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<th>Start Date</th>
<th>End Date</th>
<th>Time</th>
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<td>20853(32)</td>
<td>Pre-College</td>
<td>06/21 - 07/22/22</td>
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<td>20995(33)</td>
<td>Pre-College</td>
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<td>M T W R F</td>
<td>1:00-2:45</td>
<td>MK 129</td>
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</table>
HSC 411  Health Science Capstone Project Proposal Nursing  Credit 3
This course will prepare the student to complete a major research paper topic that is relevant to the health professions, and approved by the Department Chairperson.
21087(30)  6 week Session  06/14 - 07/22/22  T R  9:00-11:50  WF

HSC 412  Health Science Capstone Project Course  Credit 2
This course will prepare the student for development of the research paper for a professional poster presentation which captures the information reported in the student’s Health Science Capstone Proposal Course. Prerequisite: 411 Health Science Capstone Proposal Course.
21086(30)  6 week Session  06/14 - 07/22/22  M W  9:00-10:50  WF

HUM 201  Humanities I  Credit 3
The first of a required two-semester interdisciplinary course that is organized around a theme, Enduring Human Values and Cultural Connections, and presented in a team-teaching context. The course introduces sophomore students to western and non-western cultural legacies through the study of works of art, music and literature from Antiquity through the Renaissance.
21057(31)  Pre-College  06/21 – 07/22/22  M T W R F  1:00 – 2:45  DU 109

HUM 202  Humanities II  Credit 3
The first of a required two-semester interdisciplinary course that is organized around a theme, Enduring Human Values and Cultural Connections, and presented in a team-teaching context. The course introduces sophomore students to western and non-western cultural legacies through the study of works of art, music and literature from the late Sixteenth Century through the Twentieth Century.
20685(30)  6 week Session  06/14 - 07/22/22  M T W R F  12:30–1:45  TU 140

JAC 460  Independent Study in Journalism & Comm  Credit 1-3
This course is designed to meet the needs of the journalism and communications student who wishes to conduct independent research, develop a special academic project or fulfill other department requirements outside of the usual class structure. Prerequisites: Approval of a faculty sponsor to oversee the independent study. Students cannot apply more than six credit hours in independent study toward graduation requirements.  Need Permission of Instructor.
20738(30)  Session 111  (2nd 4 week)  06/27 - 07/22/22  TBA  TBA  TBA

MAT 100  Elementary Algebra  Credit 3
For students whose background and placement indicate a need for basic work. This course does not carry credit toward any degree at the University. Concepts to be covered include arithmetic review, linear equations and inequalities, polynomials, rational expressions and graphing. Entry level skills for MAT 109.
20861(30)  Pre-College  06/21 – 07/22/22  M T W R F  8:00-9:45  DU 109
20920(31)  Pre-College  06/21 - 07/22/22  M T W R F  10:00-11:45  ST 312A
20921(32)  Pre-College  06/21 - 07/22/22  M T W R F  1:00-2:45  DU 103

MAT 105  Intermediate Algebra  Credit 3
Review of fundamental operations, algebraic fractions, ratio, proportion & variation, exponents and radicals, inequalities, relations and functions, quadratic equations. $2.00 Fee.
20710(30)  Pre-College  06/21 - 07/22/22  M T W R F  10:00-11:45  TBA
20828(31)  Pre-College  06/21 - 07/22/22  M T W R F  8:00-9:45  ST 320
20711(32)  Pre-College  06/21 - 07/22/22  M T W R F  1:00-2:45  DU 110
21077(33)  Pre-College  06/21 –07/22/22  M T W R F  10:00-11:45  ST 105
21078(34)  Pre-College  06/21 - 07/22/22  M T W R F  3:00-4:45  ST 105
20810(48)  Pre-College  06/21 - 07/22/22  M T W R F  10:00-11:45  DU 314
20827(F33)  Pre-College  06/21 - 07/22/22  M T W R F  10:00-11:45  TBA
20712(F34)  Pre-College  06/21 - 07/22/22  M T W R F  8:00-9:45  TBA

MAT 109  College Math I  Credit 3
20854(30)  Pre-College  06/21 - 07/22/22  M T W R F  10:00-11:45  ST 336
20855(31)  Pre-College  06/21 - 07/22/22  M T W R F  8:00-9:45  ST 105
20856(35)  Pre-College  06/21 - 07/22/22  M T W R F  1:00-2:45  DU 314
MAT 110 College Math II  Credit 3
Mathematics of finance such as interest, installment buying, mortgage. Measurement, geometry and the metric system. Elementary concepts of probability and statistics. Prerequisite: MAT 109 or by placement.

MAT 117 Pre-Calculus I  Credit 3
Functions and their graphs. Polynomial and rational functions, exponential and logarithmic functions. Systems of linear and nonlinear equations. Sequences and series. Prerequisite: MAT 105 or by placement.

MAT 118 Pre-Calculus II  Credit 3
Trigonometric functions and their inverses; Analytic trigonometry; Applications of trigonometry; Fundamentals of analytic geometry; Complex numbers and Polar Coordinates. Prerequisite: MAT 117 or by placement.

MAT 130 Calculus  Credit 3
A one-semester course for students with an option or requirement for a course in calculus. Differentiation and integration of algebraic, exponential, and logarithmic functions. Applications from business, life, and social sciences. Prerequisite: MAT 117, or by placement.

MBA 211 Lower Division Internship  Credit 1
Prerequisite MBA 203; Permission of Director and Internship coordinator. Full time affiliations as an intern with a School of Business Qualified corporation or firm. **Business Management Majors Only**

MBA 511 Graduate Internship  Credit 1
Prerequisite: Graduate standing, permission of a director and certification by the internship office. Full-time affiliation as a graduate intern with a School of Business approved organization or corporation.

MGT 360 Cooperative Education/Internship  Credit 3-9
Co-ops and internships are on-the-job experiences in the area of management in business or government to serve as a laboratory for integrating the theoretical with practical experiences. Co-ops are for six-months duration and worth up to 9 credits, whereas, internships are for summer employment and worth up to 3 credits. Students may arrange for co-ops or internships in their junior and senior year. Prerequisite: Permission of the department chairperson.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Session Dates</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tr>
<td>MKT 495</td>
<td>Independent Study / Research</td>
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<td>05/31 – 06/24/22</td>
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<td>NUR 215</td>
<td>Foundations of Nursing</td>
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<td>NUR 803</td>
<td>Dissertation Research 111</td>
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<td>PED 480</td>
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<td>06/14 – 07/22/22</td>
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<td>HO 134</td>
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<td>PED 481</td>
<td>Practicum in Kinesiology II</td>
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<td>06/14 – 07/22/22</td>
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<tr>
<td>PED 499</td>
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<td>PED 615</td>
<td>Advanced Marketing Applied Research and Sales</td>
<td>3</td>
<td>Successful completion of PHA 311.</td>
<td>6 week Session</td>
<td>TBA</td>
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<tr>
<td>PED 616</td>
<td>Public Relations and New Media Education</td>
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<td>6 week Session</td>
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<td>PED 619</td>
<td>NCAA Compliance</td>
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<td>PED 620</td>
<td>Sport Governance</td>
<td>3</td>
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<td>6 week Session</td>
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<tr>
<td>PHA 314</td>
<td>Medicinal Chemistry</td>
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<td>Successful completion of PHA 311.</td>
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<td>PHA 372</td>
<td>Biopharmaceutics 1</td>
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<td>PHA 374</td>
<td>Biopharmaceutics 1 Lab</td>
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<td>PHA 399</td>
<td>Research Capstone</td>
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<td>General Pharmacology 11</td>
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<td>PHA 513</td>
<td>Therapeutics IV</td>
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</table>
This systems-based course series will develop student knowledge and skills for therapeutic management of disease, based on application of medicinal chemistry, pharmacology, physiology, and pathophysiology concepts. The fourth course in this series will review selected infectious diseases, and discuss strategies for patient evaluation and treatment.

**PHA 516**  
**Therapeutics V**  
Credit 3

This systems-based course series will develop student knowledge and skills for therapeutic management of disease, based on application of medicinal chemistry, pharmacology, physiology, and pathophysiology concepts. The fifth course in this series will review selected infectious diseases, and discuss strategies for patient evaluation and treatment.

**PHA 517**  
**Applied Therapeutics Lab 11**  
Credit 1

In this course series, students will apply knowledge of the pharmacist’s patient care process to formulate, implement, and follow-up on a care plan for the disease management of patient case-based scenarios across a variety of clinical settings. Disease states discussed will be integrated with concurrent topics assessed in the Therapeutics III—IV course series. As the course series progresses, increasing complexity will be applied, incorporating comorbidities and complicated patient courses based on previously acquired pharmacotherapy knowledge.

**PHA 518**  
**Therapeutics V1**  
Credit 3

This systems-based course series will develop student knowledge and skills for therapeutic management of disease, based on application of medicinal chemistry, pharmacology, physiology, and pathophysiology concepts. The final course in this series will review selected rheumatologic, hematologic, and oncologic diseases, and discuss strategies for patient evaluation and treatment.

**PHA 520**  
**Applied Therapeutics Lab 111**  
Credit 1

In this course series, students will apply knowledge of the pharmacist’s patient care process to formulate, implement, and follow-up on a care plan for the disease management of patient case-based scenarios across a variety of clinical settings. Disease states discussed will be integrated with concurrent topics assessed in the Therapeutics V-VI course series. As the course series progresses, increasing complexity will be applied, incorporating comorbidities and complicated patient courses based on previously acquired pharmacotherapy knowledge.

**PHA 574**  
**Pharmacy Practice Lab**  
Credit 4

This laboratory experience will simulate the actual practice of pharmacy in both retail and institutional settings. Students will earn the fundamentals of processing and filling a prescription or doctor’s drug order. He or she will gain experience in compounding medications, preparing sterile products, recommending over-the-counter medications, and counseling patients. Prerequisite: Successful completion of all P-1, P-2 level courses, and P-3 Fall semester courses. Exceptions to this prerequisite policy will only be granted at the Dean’s discretion.

**PHA 650**  
**Seminar 1**  
Credit 1

The Seminar Series is a three-course requirement that is designed to provide students with the skills, techniques, and competencies required to successfully navigate the advanced clinical clerkship experiences. In addition, this course provides the student an opportunity and experience in preparing and presenting pharmacy related topics to colleagues and other healthcare professionals in a formalized manner. Prerequisites: Successful completion of all P-1, P-2, and P-3 courses.

**PHA 651**  
**Seminar 11**  
Credit 1

The Seminar Series is a three-course requirement that is designed to provide students with the skills, techniques, and competencies required to successfully navigate the advanced clinical clerkship experiences. In addition, this course provides the student an opportunity and experience in preparing and presenting pharmacy related topics to colleagues and other healthcare professionals in a formalized manner. Prerequisites: Successful completion of all P-1, P-2, and P-3 courses.
The seminar series is a three course requirement that is designed to provide students with the skills, techniques, and competencies required to successfully navigate the advanced clinical clerkship experiences. In addition, this course provides the student an opportunity and experience in preparing and presenting pharmacy related topics to colleagues and other healthcare professionals in a formalized manner. Prerequisites: Successful completion of all P-1, P-2, and P-3 courses.

This elective rotation is designed to enhance the student’s awareness of a career in academia. The experience will allow the student to develop a teaching style that complements their style and strengths, and expose the student to the wide range of responsibilities associated with a didactic based academic career. The student will be given firsthand experience in the academic responsibility of teaching, scholarship, and service to the pharmacy profession and the academic institution. Prerequisites: Successful completion of all P-3 level courses.

This elective rotation is intended to provide an opportunity for Doctor of Pharmacy students to acquire experience in the various aspects of research of discovery, integration, application or teaching. The rotation is a five-week experience in which the student...
will participate in a collaborative research process with faculty from the department of pharmacy practice and/or pharmaceutical sciences. Given the time limit, the intent is to expose the student to techniques and behavioral skills for identifying research questions or problems, performing literature searches, defining discipline-related terminology, demonstrating the development of lab techniques, patient care or teaching skills, and reflecting on lesson learned on conducting biomedical, clinical and translational research. Prerequisite: Successful completion of all P3 level courses.

**PHA 681 Research 11 APPE**
This elective rotation is intended to provide an opportunity for Doctor of Pharmacy students to acquire experience in the various aspects of research of discovery, integration, application or teaching. The rotation is a five-week experience in which the student will participate in a collaborative research process with faculty from the department of pharmacy practice and/or pharmaceutical sciences. Given the time limit, the intent is to expose the student to techniques and behavioral skills for identifying research questions or problems, performing literature searches, defining discipline-related terminology, demonstrating the development of lab techniques, patient care or teaching skills, and reflecting on lesson learned on conducting biomedical, clinical and translational research. Prerequisite: Successful completion of Elective Research I.

**PH 683 Geriatrics**
Impatient and/or outpatient experiences in the care of the elderly. Objectives will include developing medication care plans (MCP) for patients who have diminished blood flow in face of multiple disease states, frailty of body and spirit, diminished mental capacity, diminished mobility and reduction in use of senses (e.g. sight, hearing). Attention will also be focused on developing the most economical MCP for persons with reduced or limited income. Simultaneous assignment to several impatient facilities, home health care agencies, or home bound patients is likely. An understanding of the impact of Medicare and other insurance plans on the ability to deliver the best MCP is an objective for all assignment areas.

**PHA 684 Special Interests APPE**
This elective rotation is designed to expose students to additional areas of pharmacy practice of their interest. Elective opportunities are available in administration, association management, consulting, disease state management, public health, home health, nutrition, oncology, pharmaceutical industry, regulatory affairs, and toxicology. Other elective opportunities are available upon approval by the Director of Experiential Education. Prerequisites: Successful completion of all P-3 level courses.

**PHA 685 Administration/Management**
Designed to expose the student to a variety of situations related to the running of a medical-related operation, including medical profession associations. The student will be paired with an administrative level preceptor from industry, chain pharmacy, hospital pharmacy, or professional organizations. The five-week rotation may be split among as many as 3 such experiences with no less than 1 week in any specific arena.

**PHA 690 Internal Medicine**
The internal medicine rotation is designed to provide the student exposure and experience in comprehensive treatment of disease states of adult medicine patients being cared for in the hospital or institutionalized setting (hypertension, pneumonia, asthma, congestive heart failure, diabetes, infectious diseases, etc.) In addition, students will utilize problem-solving skills, develop therapeutic plans, monitor lab values, an access for drug interactions and adverse drug reactions. Prerequisites: Successful completion of all P-1, P-2 and P-3 courses.

**PHA 691 Ambulatory Care I**
The Ambulatory Care I rotation is designed to give students experience in treating patients in “out-patient” settings that are typically not acutely ill. These experiences could focus on the medication management of specific diseases (such as hypertension, diabetes, asthma, Coumadin monitoring, etc.) or general care of patients with chronic conditions. Students will utilize problem solving skills, patient medication counseling, therapeutic monitoring, as well as address interaction, side effects, and compliance issues in the care of these patients. Prerequisites: Successful completion of all P-1, P-2 and P-s courses.

**PHA 693 Pediatrics APPE**
The Pediatric rotation provides students with the opportunity to learn how to effectively treat medical illnesses of infant and child patients. Students will learn the different treatment options and regimens utilized in this patient population and take into
consideration the different pharmacokinetic properties. Common disease states that will be seen are pneumonia, asthma, epilepsy, diabetes, sickle cell, trauma, and other common childhood diseases. Prerequisites: Successful completion of all P-I, P-2, and P-3 courses.  

**20802(30)**  
10 week Session  
05/16 - 07/22/22  
TBA  
TBA  
TBA  

**PHA 694**  
Psychiatry  
Credit 4  
The Psychiatric rotation provides students experience in treating acute as well as chronic psychiatric patients. Emphasis is on the initiation of medication, therapeutic monitoring, as well as medication stabilization and long-term treatment of psychiatric patients. Students will learn how to dose, treat, and monitor patients with mood disorders, schizophrenia, substance abuse disorders, cognitive disorders and other clinical psychiatric disorders. Prerequisites: Successful completion of all P-I, P-2, and P-3 courses.  

**20803(30)**  
10 week Session  
05/16 - 07/22/22  
TBA  
TBA  
TBA  

**PHA 696**  
Elective Clerkshop I  
Credit 4  
The elective rotation is designed to expose students to additional areas of pharmacy practice of their interest. Elective opportunities are available in administration, association management, consulting, disease state management, geriatrics, home health, managed care, nuclear, nutrition, oncology, pharmaceutical industry, regulatory affairs, and toxicology. Other elective opportunities are available upon approval by the Director of Experiential Education. Prerequisites: Successful completion of all P-3 level courses.  

**20805(30)**  
10 week Session  
05/16 - 07/22/22  
TBA  
TBA  
TBA  

**PHA 697**  
Special Interest APPE  
Credit 4  
This elective rotation is designed to expose students to additional areas of pharmacy practice of their interest. Elective opportunities are available in administration, association management, consulting, disease state management, public health, home health, nutrition, oncology, pharmaceutical industry, regulatory affairs, and toxicology. Other elective opportunities are available upon approval by the Director of Experiential Education. Prerequisites: Successful completion of all P-3 level courses.  

**20940(30)**  
10 week Session  
05/16 - 07/22/22  
TBA  
TBA  
TBA  

**PHA 698**  
Special Interest APPE  
Credit 4  
This elective rotation is designed to expose students to additional areas of pharmacy practice of their interest. Elective opportunities are available in administration, association management, consulting, disease state management, public health, home health, nutrition, oncology, pharmaceutical industry, regulatory affairs, and toxicology. Other elective opportunities are available upon approval by the Director of Experiential Education. Prerequisites: Successful completion of all P-3 level courses.  

**20941(30)**  
10 week Session  
05/16 - 07/22/22  
TBA  
TBA  
TBA  

**PHA 699**  
Internal Medicine II  
Credit 4  
Designed to provide the student with an advanced level of exposure to the patient (generally institutionalized) who has an acute organic ailment requiring medical treatment or other intervention of intense or unusual nature. Specialized internal medicine areas, hematology/oncology, ICU, CCU, surgery, general oncology, infectious diseases are representative of the type and level of exposure.  

**20806(30)**  
10 week Session  
05/16 - 07/22/22  
TBA  
TBA  
TBA  

**PHT 607**  
Motor Control and Learning  
Credit 2  
This is a two-part course designed to provide students the opportunity to learn topics in movement sciences throughout lifespan. The first part will emphasize basic theoretical concepts and principles of motor development, control, and learning to set for the foundation for application. The second part will emphasize application and discussions of the contemporary knowledge of motor control and learning to individuals with movement dysfunctions. This course will also introduce effective motor re-learning strategies for physical therapy intervention. Prerequisites: courses in curriculum sequence.  

**20761(30)**  
10 week Session  
05/16 – 07/22/22  
TBA  
TBA  
PH 213A  

**PHT 615**  
Case Management Lab I  
Credit 1  
This is the first of four courses designed for students to develop problem solving & critical thinking skills while working in small groups with student centered learning. In this first course, students will be given simple cases involving real patients or simulated cases with a discrete musculoskeletal problem (joint limitation and pain) as a result of a common disease process or injury in young adults, & the mature adult of various socioeconomic & cultural backgrounds. Students are encouraged to work collaboratively to identify & practice the steps of clinical decision making according to the patient/client management model. For each case, the student is expected to identify the pathology, the impairments resulting from the pathology, the related functional limitations & the resulting disability, before establishing functional goals & a plan for intervention. A formal oral & written presentation of the case will be expected at the end of the course for each group. In this course, students are also introduced to reflective evaluation using self-assessment & peer assessment after each group meeting & after the formal oral presentation. Prerequisites: courses in curriculum sequence.
PHT 625  
PT Seminar II  
Credit 1
This course has a major emphasis on the analysis of the physical therapist relationship with patients / clients, family and community. Investigation through specific readings in the psychology of disability and the socio-economic and cultural impacts on optimizing function for individuals with disability. Prerequisites: courses in curriculum sequence.

PHT 630  
Prosthetics and Orthotics  
Credit 3
In this course students will learn to apply their knowledge of kinesiology, pathology and client management model to the care of individuals requiring prosthetic and orthotic devices. This course will also emphasize preventative foot care, pre and post-surgical physical therapy interventions and functional rehabilitation of individuals with congenital, traumatic and circulatory conditions requiring prosthetic or orthotics devices. Prerequisites: courses in curriculum sequence.

PHT 634  
Neurologic Management I  
Credit 3
The educational vision for this course is to develop reflective autonomous physical therapists qualified to maximize functioning and minimize disability in persons with Central Nervous System (CNS) Health Conditions. Teaching and learning strategies implemented facilitate the development of student professional affective, cognitive and psychomotor behaviors required for physical therapist practice. This course is sectioned into two units of study: 1. Healthcare Management of Persons with Brain Conditions; and 2. Healthcare Management of Persons with Spinal Cord Conditions. Prerequisites: courses in curriculum sequence.

PHT 643  
Musculoskeletal Management I  
Credit 3
The course is designed for learning and teaching entry-level physical therapy students the healthcare Process of Problem Solving for Individuals with Neuro-musculoskeletal Disorders. The World Health Organization (WHO) concepts of Health, Functioning and Disability (ICIDH-2)1, together with the APTA Guide to Physical Therapist Practice are used to structure Learning into four (four) study units: UNIT 1: Principles of Healthcare for Individuals with Neuro-musculoskeletal Disorders UNIT II. Individuals with Head, Neck, Spine and Pelvis Disorders. Prerequisites: Courses in curriculum sequence.

PHT 645  
Pediatrics  
Credit 4
This course is designed to prepare students to acquire safe, effective, and evidence-based pediatric physical therapy management skills for children with neuro-musculoskeletal, cardiopulmonary, and other pediatric physical therapy related impairments. This course utilizes the National Center for Medical Rehabilitation Research(NCMRR) model and the Guide to Physical Therapist Practice that include evaluation, differential diagnosis, treatment goals and plan, intervention strategies, and documentation of prognosis, progress, and functional outcome measures. This course emphasizes interaction with clients’ family and multidisciplinary team members at various settings such as homes, schools, clinics, community centers, and hospitals to maximize the functional carry-over of the intervention. Prerequisites: courses in curriculum sequence.

PHT 659  
Case Management Lab IV  
Credit 1
This is the final course in a series of courses designed to enhance student’s ability to engage in problem-solving, critical thinking skills in the examination, diagnosis, prognosis, and intervention and outcome assessment of simulated cases with critical and non-critical multi-system involvement. The emphasis of this course will be the incorporation of student’s knowledge and skills acquired in the classroom and in the clinic to be competent practitioners. Students are expected to use relevant research to guide clinical decisions and interventions. It is also expected that students are competent in addressing simple and complex problems throughout the life-span. Competency in communication and collaboration with other health professionals in the evaluation of treatment outcomes, psychosocial and cultural aspects of health care is also expected. At the end of this course students should demonstrate good clinical judgment in the current health care environment, and incorporate in their problem solving exercise all the elements of good physical therapy practice.

PHT 668  
Research 111  
Credit 2
This course is designed to individually guide students to begin their EBP project, which allows each student to apply EBP to the processes of examination, evaluation, diagnosis, prognosis, and interventions of selected conditions across the lifespan seen in physical therapy.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 191</td>
<td>Introduction Research Topics in Physics</td>
<td>1-3</td>
<td>Designed for freshman level undergraduates. Emphasis will be placed upon introduction to areas of physics research, regular attendance at appropriate seminars, techniques of literature searches, and background study. This course may be taken twice. Prerequisite: Consent of the department chairperson.</td>
</tr>
<tr>
<td>PHY 291</td>
<td>Basic Research Topics</td>
<td>1-6</td>
<td>Designed for junior level undergraduates. Emphasis will be placed upon conducting directed research in physics with a designated research mentor and regular attendance at selected seminars. Review basic literature search techniques. This course may be taken twice. Prerequisite: Consent of the research mentor.</td>
</tr>
<tr>
<td>PHY 391</td>
<td>Intermediate Research Topics in Physics</td>
<td>1-9</td>
<td>Designed for junior level undergraduates. Emphasis will be placed upon conducting directed research in physics with a designated research mentor and regular attendance at selected seminars. Review basic literature search techniques. This course may be taken twice. Prerequisite: Consent of the research mentor.</td>
</tr>
<tr>
<td>PHY 491</td>
<td>Senior Research Topics Physics</td>
<td>1-12</td>
<td>Designed for senior level undergraduates. Emphasis will be placed upon participating in an independent research project or making a major contribution to departmental research with a designated research mentor. The student will produce a publication quality research report or thesis. Regular attendance at the physics seminar series is also required. This course may be taken twice. Prerequisite: Consent of the research mentor.</td>
</tr>
<tr>
<td>PHY 616</td>
<td>Research Problems I</td>
<td>1-12</td>
<td>Research on problems leading to a master's thesis.</td>
</tr>
<tr>
<td>PHY 617</td>
<td>Research Problems II</td>
<td>1-12</td>
<td>Research on problems leading to a thesis or dissertation.</td>
</tr>
<tr>
<td>PHY 681</td>
<td>Thesis</td>
<td>3</td>
<td>Research on problems leading to a dissertation.</td>
</tr>
<tr>
<td>PHY 700</td>
<td>Thesis Registration</td>
<td>1</td>
<td>Research on problems leading to a dissertation.</td>
</tr>
<tr>
<td>PHY 703</td>
<td>Ph.D Qualifying Examination</td>
<td>1</td>
<td>Graded S/U only. Passing grade of “S” is awarded upon successful completion of all four parts of this examination.</td>
</tr>
<tr>
<td>PHY 791</td>
<td>Dissertation Research</td>
<td>1-12</td>
<td>Research on problems leading to a dissertation.</td>
</tr>
<tr>
<td>PHY 797</td>
<td>Dissertation Registration</td>
<td>1</td>
<td>Research on problems leading to a dissertation.</td>
</tr>
<tr>
<td>PHY 798</td>
<td>Doctoral Final Oral Comp Exam</td>
<td>1</td>
<td>Research on problems leading to a dissertation.</td>
</tr>
</tbody>
</table>
### POL 304  International Politics  
Study of the nature of international society, patterns of conflict, and cooperation between and among states and other international actors. Foreign policies of major countries discussed.  
- **20746(30) 6 week Session 06/14 - 07/22/22  M T W R F  2:00 - 3:15  MK 104**

### POL 399  Independent Study  
Emphasis on independent study. Field research encouraged.  
- **20932(30) 6 week Session 06/14 - 07/22/22  TBA  TBA  TBA**

### PSY 203  Introduction to Psychology  
Basic topics in psychology are explored, such as learning, motivation, intelligence, personality, perception, abnormality, and others. Emphasis is given to scientific methodology and its application to behavior.  
- **20819(31) Pre-College 06/21 - 07/22/22  M T W R F  10:00 - 11:45  MK 112**  
- **20820(32) Pre-College 06/21 – 07/22/22  M T W R F  8:00 - 9:45  MK 115**

### RDG 101  Analytical Reading Skills  
This course emphasizes analytical thinking and reading skills that are essential for interpreting college-level material. It is designed to strengthen the ability of students.  
- **20732(34) Pre-College 06/21 - 07/22/22  M T W R F  1:00-2:45  PH 207**

### SOC 205  Introduction to Sociology  
Introduction to the scientific study of society and social behavior. Emphasis on culture, social structure, social inequality, social institutions and social change.  
- **20866(38) 6 week Session 06/14 - 07/22/22  M T W R F  11:00 – 12:15  MK 102**  
- **21082(33) Pre-College 06/21 - 07/22/22  M T W R F  1:00 - 2:45  MK 130**  
- **21074(39) Pre-College 06/21 - 07/22/22  M T W R F  8:00 - 9:45  MK 130**

### THE 400  Co-op / Internship  
Coordinated, structured off-campus work experience related to course of study in Theatre Arts. Work programs designated to provide a variety of practical experiences for the student.  
- **20724(30) 6 week Session 06/14 – 07/22/22  TBA  TBA  TBA**

### THE 420  Individual Projects I  
A course providing qualified students an opportunity to conduct research in a specific area of Theatre Arts. Areas studied vary with the needs and interests of the student and the faculty member supervising the project.  
- **20725(30) 6 week Session 06/14 – 07/22/22  TBA  TBA  TBA**  
- **21005(31) Session 111 (2nd 4 week) 06/27 – 07/22/22  TBA  TBA  TBA**

### THE 421  Individual Projects II  
A course providing qualified students an opportunity to conduct research in a specific area of Theatre Arts. Areas studied vary with the needs and interests of the student and the faculty member supervising the project.  
- **20726(30) 6 week Session 06/14 – 07/22/22  TBA  TBA  TBA**  
- **21006(31) Session 111 (2nd 4 week) 06/27 – 07/22/22  TBA  TBA  TBA**