

quizzes, opportunities for collaborative learning and for problem solving. The methods that are used to deliver the online courses typically consist of lectures, discussion forums, research, case studies, and group work. These are supported by selected tools and resources that include, but are not limited to printed materials and resources, video, audio, nonlinear media, interactive media, reviews, exams, email communication, threaded discussions, blogs, chat, and teleconferencing.

The online courses at VIU are completely Internet-based with no face-to-face meeting requirement. Typically, students work independently on their own schedule. Occasionally, synchronous activities are held to allow for the instructor and the students to communicate in real-time. The courses are instructor-led: the instructor leads the online course activities, manages the online forums, and monitors and assesses student progress and performance in the online classroom.

The online courses have three (3) credit hours as specified by the program of study. The syllabi, as well as textbook, are similar to those used in face-to-face classes. The online courses follow the 8-week format as described in the Academic Calendar section of this Catalog. In addition to degree programs, VIU also offers some courses of the English as a Second Language (ESL) Program online. The ESL online courses follow a 7-week format. Upon successful completion of the online courses, students receive a Certificate of Course Completion. Please refer to the ESL Program section in this Academic Catalog for details of the program and courses.

15.1. Academic Calendar for Online Programs

At VIU online courses are offered in an 8-week format in the first and the second halves of the Fall, Spring and Summer semesters. Online ESL courses are completed in 7-week term.

Fall 2017	Fall Aug 28 - Oct 21 (8-week)	Fall II Oct 23 - Dec 16 (8-week)	ESL Fall Aug 28 - Oct 14 (7-week)	ESL Fall II Oct 23 - Dec 16 (7-week)
Registration for Fall opens	Jul 10	Jul 10	Jul 31	Sep 25
Registration closes without late registration fee	Aug 21	Oct 16	Aug 25	Oct 20
First Day of Classes	Aug 28	Oct 23	Aug 28	Oct 23
Labor Day, VIU is closed	Sep 4	-	Sep 4	-
Last day to add/drop course(s) - Closed at 5 p.m.	Sep 5	Oct 30	Sep 5	Oct 30
Last day to apply for Fall graduation	Oct 2	Oct 2	-	-
Mid-term progress reporting due by faculty	Sep 25	Nov 20	-	-
Last day to withdraw with a grade of "W"	Sep 29	Nov 27	Sep 22	Nov 17
Thanksgiving break, VIU is closed	-	-	-	Nov 23-25
Last Day of Class (including the final exams)	Oct 21	Dec 16	Oct 14	Dec 16
Grades due by faculty	Oct 23	Dec 18	Oct 16	Dec 18
Grades available on Student Portal	Oct 24	Dec 19	Oct 17	Dec 19
Winter break	-	Dec 22-Jan 1	-	Dec 22-Jan 1
Changes to incomplete grades are due to Registrar	Nov 6	Jan 10	Oct 30	Jan 10

Spring 2018	Spring Jan 15 - Mar 10 (8-week)	Spring II Mar 5 - Apr 28 (8-week)	ESL Spring Jan 15 - Mar 3 (7-week)	ESL Spring II Mar 12 - Apr 28 (7-week)
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Registration for Spring opens	Nov 13	Nov 13	Dec 18	Feb 12
Registration closes without late registration fee	Jan 8	Feb 26	Jan 12	Mar 9
First Day of Classes	Jan 15	Mar 5	Jan 15	Mar 12
Last day to add/drop course(s) - Closed at 5 p.m.	Jan 22	Mar 12	Jan 22	Mar 19
Last day to apply for Spring graduation	Feb 9	Feb 9	-	-
Mid-term progress reporting due by faculty	Feb 12	Apr 2	-	-
Last day to withdraw with a grade of "W"	Feb 16	Apr 6	Feb 9	Apr 6
Last Day of Class (including the final exams)	Mar 10	Apr 28	Mar 3	Apr 28
Grades due by faculty	Mar 12	Apr 30	Mar 5	Apr 30
Grades available on Student Portal	Mar 13	May 1	Mar 6	May 1
Commencement Ceremony	TBA	TBA	TBA	TBA
Changes to incomplete grades are due to Registrar	Mar 27	May 15	Mar 20	May 15

Summer 2018	Summer I May 3 – Jun 27 (8-week)	Summer II Jun 28 – Aug 22 (8-week)	ESL Summer I May 7 - Jun 23 (7-week)	ESL Summer II Jul 2 - Aug 18 (7-week)
Registration for Summer Session opens	Apr 2	May 21	TBA	TBA
Registration closes without late registration fee	Apr 26	Jun 21	May 4	Jun 29
First Day of Classes	May 3	Jul 4	May 7	Jul 4
Last day to add/drop course(s) - Closed at 5 p.m.	May 9	Jun 28	May 11	Jul 2
Last day to apply for Summer graduation	Jun 1	Jul 27	-	-
Mid-term progress reporting due by faculty	Jun 1	Aug 1	-	Jul 27
Last day to withdraw with a grade of "W"	Jun 6	Aug 1	Jun 9	-
Last Day of Class (including the final exams)	Jun 27	Aug 22	Jun 23	Aug 18
Grades due by faculty	Jun 28	Aug 23	Jun 25	Aug 20
Grades available on Student Portal	Jun 29	Aug 24	Jun 26	Aug 21
Changes to incomplete grades are due to Registrar	Jul 12	Sep 6	Jul 9	Sep 3

[†] Late registration fee applies after this date, until the end of course add/drop period.

NOTE: The Academic Calendar is subject to change without prior notice. The latest version of the calendar is available on the VIU website.

15.2. Admission Requirements

The admissions requirements for online programs are the same as our on ground programs, except for the application fee. There are no additional admission requirements for students taking online courses. Therefore, please refer to Application for Admission section in this catalog.

Prior to registering for online classes, prospective students must be admitted to an academic program of study at VIU. F-1 visa international students must comply with the visa restrictions when taking online courses. Students who plan to study online only are not required to have a US visa to enroll in an online program or course of study.

All applicants for the ESL Online Program must submit proof of a certain level of English language proficiency as indicated in the table below. There are two ways to meet these English language proficiency requirements for ESL online courses:

1. Submit scores for one of the following tests:

Name of Standardized Test	Minimum Scores Required*
TOEFL iBT	50
TOEFL pBT	463
IELTS Academic	Overall band 5.5
PTE Academic	40
ITEP Academic Plus	4

* Scores must be less than 2 years old. If the student has been studying continuously at a college or university in the United States, s/he may submit an older score that has been accepted at the current school.

2. Complete VIU's ESL placement test, which is available on-ground and online. The ESL placement test will assess the student's English proficiency and determine the appropriate level. Admission is not guaranteed.

In addition, students who are enrolling in VIU programs online are required to confirm that they meet the required technical capabilities throughout the admission process including the required PC, Mac, or tablet requirements, Internet connection, web browser, software, and recommended hardware requirements listed on the university website and in section 15.5 of this academic catalog. Virtual interviews may also be required for students enrolling in online programs at VIU

15.3. Tuition and Fees of Online Courses

The following tuition rates apply for fully online students and not for residential students taking online course(s). The tuition does not include the cost of textbooks and other course related materials.

Graduate Level Programs:

Tuition:	\$429 per credit
	\$1,287 per course
	\$3,861 per semester (full-time, 9 credit hours)

Tuition for Program Prerequisites: Graduate Students who need to take program pre-requisite courses will pay the Undergraduate tuition rate for those courses required.

Undergraduate Level Programs:

Tuition:	\$341 per credit
	\$1,023 per course
	\$4,092 per semester (full-time, 12 credit hours)

Non-Credit Certificate program - ESL Program:

Tuition:	\$9.00 per hour
	\$630 per 7-week course

Related Fees: Some fees are mandatory and due at the time of application or enrollment. There are also services at VIU when it is necessary as student progress through their program of study or required upon their request. All fees are **non-refundable**.

Services Provided	Note	Fee
Application Fee	One-time payment for the application process	\$50
Student Services Fee	Student support services associated with the online course environment	\$30
English Placement Test*	Those who need to take the test only.	\$30
Late Registration Fee	After the last day of registration, before the end of the Add/Drop period.	\$50
Late Payment Fee	3% of outstanding balance due at time of payment	Varies
Returned Check Fee	If the check issued by the student is not honored by their bank.	\$40
Credit Card Charge-Back Fee	As applicable	3%
Wire Transfer Refund Fee	Domestic International	\$25 \$40
Transcript Processing Fee	Upon request by the student.	\$10
Resource Fee	Per credit	\$15
Change of Program Fee	As applicable	\$100
Major Fields Test	New Students only, as applicable	\$60
Graduation Fee	Due upon completion of program	\$150

* This is different from Online ESL placement test. The English Placement Test determines proficiency level for Academic studies using Accuplacer test.

15.4. Online Course Cancellation and Refund Policy

Dropping course(s): If a student elects to drop one or more courses during the add/drop period, 100% of the tuition for the dropped course(s) will be refunded. Students cannot drop courses after the add/drop period. However, a student may withdraw from specific courses with a grade of "W." The cancellation and refund policy will be applied.

Leave of absence: There are no tuition charges if a student submits an approval form for a leave of absence prior to the last day of add/drop period. If a student requests a leave of absence after the last day of the add/drop period, the cancellation and refund policy will be applied.

Time of withdrawal notice	Tuition refund amount*
Up to the last day of add/drop period	100% of the tuition
After the add/drop & through 25% of the session	75% of the tuition
Through 50% of the session	50% of the tuition
Through 75% of the session	25% of the tuition
After 75% of the session	No refund will be issued

* Excludes all fees

A written notice must be submitted to officially withdraw from Virginia International University. The official withdrawal date, for the purpose of a refund calculation, will be taken from the date the written notice is received by VIU.

- a) Notifying the academic coordinator or instructor that you want to drop/withdraw from a course does not officially withdraw a student from a course.
- b) Non-attendance in a course will not constitute a drop/withdrawal.
- c) Students who do not officially drop/withdraw from a course will be financially responsible for the tuition.

No refund will be honored without written notice. Students may download the Online Education Institutional Withdrawal Form from our website or obtain a hard copy from the Registrar's Office. VIU

requests that a Refund Request & Application Cancellation Form be submitted within 12 months of the initial application date.

VIU will issue refunds to individuals who have terminated their status as students within 45 days after receipt of a written request. If no payment was made, the University will bill the student for the amount due according to the schedule above.

If a student's financial obligation is not fulfilled, VIU is authorized to do the following until the monies owed are paid:

- a) Withhold the release of the student's academic records or any information based upon the records.
- b) Withhold the issue of the student's transcripts.
- c) If the student's account remains delinquent, VIU reserves the right to terminate enrollment. Late tuition payments are subject to financial penalties.

15.5. Technical Requirements

In order to participate in the online class activities and run VIU's Learning Management System (eCampus) effectively you should, at a minimum, use the following technical components. If you do not follow the suggested requirements, eCampus may still work, but some functionality may be lost.

System Requirements

Student must have access to a high-speed internet, a personal computer that is up-to-date and maintained. Students taking online courses will also need a microphone, speaker (or earphones), and a webcam. These items can be either built-in or external.

- *For PC Users:*
 - A modem or other device capable of connecting to the Internet. A high speed connection is strongly recommended.
 - Processor: Intel I3/ equivalent or better processor (Dual Core processor **strongly recommended**)
 - Operating System: Windows 7 or newer with current updates installed.
 - Memory: 4 Gigabytes RAM Memory or higher
 - Hard drive: 120 Gigabyte or higher
 - Speaker (built-in or external)
 - Microphone (built-in or external)
- *For Mac Users:*
 - A modem or other device capable of connecting to the Internet. A high speed connection is **strongly recommended**.
 - Processor: Intel I3/equivalent or better
 - Operating System: MAC OS X 10.6 (Snow Leopard) or newer
 - Memory: 4 Gigabytes RAM Memory or higher
 - Hard drive: 120 Gigabyte or higher
 - Speaker (built-in or external)
 - Microphone (built-in or external)
- *Tablets and Smart Phones:*

Although Moodle works on most tablets and smart phones, some features may not work properly on these devices. We recommend using a PC or Mac as your primary means of access to Moodle.

Browser Requirements

The latest version of Chrome, Firefox or Safari is recommended for the best online learning experience. There is a known conflict between Safari and the Turnitin plagiarism prevention service for Moodle. If you encounter problems with Turnitin on Mac, try using Chrome or Firefox browsers.

Following browser settings required for smooth operation of Moodle:

- Enable cookies
- Enable Javascript (Javascript and Java are not the same, Moodle does not require Java)

Software Requirements

- Up-to-date virus protection software
- Microsoft Office suite or Office Online account
- Adobe Acrobat Reader or browser add-on

15.6. Additional Information

Identity Verification, Privacy, and Access: In compliance with the pertaining laws that regulates the verification of student identity in distance learning, VIU Online has established and will periodically evaluate its process to ensure that a student who has enrolled in VIU Online program or course of study is the same student who participates in online class discussions, completes all required coursework, including quizzes, tests and exams, and receives the academic credit.

To authenticate online student identification:

- 1) VIU uses secure login and pass code to verify the identity of students who participate in online programs.
- 2) VIU Online uses secure connection to connect to the Learning Management System (LMS) to protect the security of user credentials.
- 3) VIU staff communicate all user account related messages through the VIU provided student email accounts.
- 4) VIU Online uses a secure web form to reset LMS user passwords.

When an LMS username and/or password is forgotten, users will be directed to an online form where they enter their VIU provided email address to receive a new password to regain access to the LMS. Account passwords will not be sent to the user by using any other means.

In the event that a student is having trouble accessing to the VIU provided email account, the student will be required to reset the email account password by either physically contacting VIU offices and providing photo ID or scheduling an online meeting with live video capability to present a photo ID to reset email password. During this session, students will be asked at least two personal and/or demographic questions such as date of birth, Social Security Number, birth city, current address in file in order to verify identification.

16. SCHOOL OF TEST PREPARATION

The School of Test Preparation (STP) at VIU is committed to maintaining the highest compliance with VIU standards. Our vision is to improve students' learning outcomes by providing students with tools to build their confidence and by assisting them in becoming independent learners who are able to rely on their own strengths and abilities. The STP collaborates with students to address their unique needs while respecting individual achievements, concerns, and goals the vision of the STP is to be an essential component in each students' academic or professional journey, locally or internationally.

16.1. Programs and Program Requirements

TOEFL iBT

The Test of English as a Foreign Language, or TOEFL, is designed to assess the English language proficiency of those who plan to study or work where English is the language of communication or instruction.

- It is used for admissions, scholarships, visas, and immigration
- It contains four sections: reading, listening, speaking, and writing
- All sections are completed on a computer
- Test takers receive scores on a band scale from 0 to 120
- Tests can be taken at any ETS authorized test center

IELTS

The International English Language Testing System, or IELTS, is designed to assess the language ability of candidates who plan to study or work where English is the language of communication or instruction.

- It is used for admissions, scholarships, visas, and immigration
- It is made of four sections: reading, listening, speaking, and writing
- Three sections are completed on a computer; speaking is completed face-to-face with the test administrator
- Test takers receive scores on a band scale from 1 to 9
- Tests can be taken at any IELTS authorized test center

GRE

The Graduate Record Examination, or GRE, is a standardized test required for admission to most graduate schools in the United States.

- The GRE General Test
This exam aims to measure verbal reasoning, quantitative reasoning, analytical writing, and critical thinking skills that have been acquired over a long period of time and that are not related to any specific field of study. A perfect score is 170.
- The GRE Subject Test
Another option is the GRE Subject Test. There are seven types of tests that measure the knowledge in the specific areas of biochemistry, cell and molecular biology, biology, chemistry, literature in English, mathematics, physics, and psychology. The length of each exam is 170 minutes.
- Both types of test can be taken at any ETS authorized test center

GMAT

The Graduate Management Admission Test, or GMAT, is a computer adaptive test intended to assess certain analytical, writing, quantitative, verbal, and reading skills in written English for use in admission to a graduate management program, such as an MBA. The GMAT assesses analytical writing and problem-solving abilities while also addressing data sufficiency, logic, and critical reasoning skills believed to be vital to real-world business and management success.

- The GMAT exam consists of four sections: analytical writing assessment, integrated reasoning, the quantitative section, and the verbal section
- The total GMAT score ranges from 200 to 800 and measures performance on the quantitative and verbal sections together; scores are given in increments of 10 (e.g., 540, 550, 560, 570, etc.)
- Test takers may register for the GMAT at mba.com

LSAT

The Law School Admission Test, or LSAT, is a half-day standardized test administered four times each year at designated testing centers throughout the world. Administered by the Law School Admission Council (LSAC) for prospective law school candidates, the LSAT is designed to assess reading comprehension and logical and verbal reasoning proficiencies. The test is an integral part of the law school admission process in the United States, Canada (common law programs only), the University of Melbourne in Australia, and a growing number of other countries. An applicant cannot take the LSAT more than three times within a two-year period.

- Raw scores are converted to an LSAT scale that ranges from 120 to 180, with 120 being the lowest possible score and 180 the highest possible score
- LSAT can be taken through the Law School Admission Council (LSAC)

SAT/ACT

The ACT is a national college admissions examination that consists of subject area tests in

English	Mathematics	Reading	Science
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The ACT with writing includes the four subject area tests plus a 40-minute writing test.

ACT results are accepted by all four-year colleges and universities in the US. The ACT includes 215 multiple-choice questions and takes approximately 3 hours and 30 minutes to complete.

The SAT is a standardized test widely used for college admissions in the United States. It was first introduced in 1926, and its name and scoring have changed several times, being originally called the Scholastic Aptitude Test, then the Scholastic Assessment Test, then the SAT I: Reasoning Test, then the SAT Reasoning Test, and now simply the SAT

TOEFL for CEUs

Course Description:

The TOEFL Preparation course gives students all the tools they need to succeed on the new TOEFL iBT® integrated skills test. The TOEFL Preparation course provides a wealth of practice for all sections of the TOEFL test:

- **Reading:** Practice the different test question types, including filling in a table or chart, determining vocabulary from context, and paraphrasing.
- **Listening:** Develop essential listening and note-taking skills to enable you to answer questions based on authentic informal conversations in an academic setting and academic lectures.
- **Speaking:** Learn specific skills to successfully respond to personal opinion or experience questions and questions that integrate speaking, listening, and reading skills.
- **Writing:** Strengthen grammar and writing skills to generate ideas, organize, and develop your topic for TOEFL essays.
- **Vocabulary:** Expand your academic vocabulary to increase understanding of TOEFL test materials.

Other benefits of the program include diagnostic pre-tests and post-tests that allow students to identify strengths and weaknesses and assess improvement in each section; mini-tests that preview the test's integrated four-skill format; and complete practice tests which familiarize students with the actual formatting and timing of the test.

TOEFL for CEU Requirements
(12 weeks (60 hours, 6.0 C.E.U.s)

IELTS for CEUs

Course Description:

The IELTS preparation course gives students all the tools they need to succeed on the IELTS test. The course provides a wealth of practice for all sections of the IELTS test:

- **Reading:** Practice the different test question types, including descriptive passages, locating and matching, discursive passages, general training reading, determining vocabulary from context, and paraphrasing.
- **Listening:** Develop essential listening and note-taking skills to enable you to answer questions based on authentic informal conversations in an academic setting and academic lectures.
- **Speaking:** Learn specific skills to successfully respond to personal opinion or experience questions and questions that integrate speaking, listening, and reading skills.
- **Writing:** Strengthen grammar and writing skills to generate ideas, organize, and develop your topic for IELTS essays and describing and/or contrasting diagrams, maps, graphs, and tables.
- **Vocabulary:** Expand your academic vocabulary to increase understanding of IELTS test materials.

Other benefits of the program include diagnostic pre-tests and post-tests that allow students to identify strengths and weaknesses and assess improvement in each section; mini-tests that preview the test's integrated four-skill format; and complete practice tests which familiarize students with the actual formatting and timing of the test.

IELTS for CEU Requirements
(12 weeks (60 hours, 6.0 C.E.U.s)

16.2. Tuition

Programs	Hours	Tuition, \$
On-Campus:		
GRE	20 Hours	\$ 900
GMAT	20 Hours	\$ 900
SAT	15 Hours	\$ 450
ACT	15 Hours	\$ 450
TOEFL for CEUs	60 Hours	\$ 500
IELTS for CEUs	60 Hours	\$ 500
Online:		
GRE	24 Hours	\$900
GMAT	24 Hours	\$900
LSAT	24 Hours	\$900
SAT	24 Hours	\$450
ACT	24 Hours	\$450

16.3. Admission Requirements:

16.3.1 Standardized Tests Preparation

1. Online application form
2. \$ 50 application Fee (non-refundable)
3. Proficiency requirements may vary

16.3.2 TOEFL and IELTS for Continuing Education Units (CEUs)

1. Online application form
2. \$ 20 application Fee (non-refundable)
3. Intermediate to Advanced proficiency in English

17. COURSE DESCRIPTIONS

Course credits are shown in parenthesis, e.g., (3 credits), following the course title. Credits are based on class contact (lecture) hours unless otherwise stated. Lecture courses comprise 1 credit for each 15 hours of face to face, 1 credit for each 30 hours of laboratory, and 1 credit for each 45 hours of practicum/internship. All courses are lecture courses unless otherwise indicated.

ACCT 201: Principles of Financial Accounting (3)

Prerequisite: None

This course is an introduction to accounting concepts and procedures for an organization. The emphasis is upon the accounting cycle as well as the recording, summarizing, and interpretation of accounting information.

ACCT 202: Principles of Managerial Accounting (3)

Prerequisite: ACCT 201 Principles of Financial Accounting

This course continues the elementary accounting principles with a focus on operations, time value of money, and cost accounting. Job-order costing, process costing, cost-volume-profit, budgeting, and variance are introduced.

ACCT 305: Accounting Information Systems (3)

Prerequisite: ACCT 201 Principles of Financial Accounting and COMP 124 Information Technology

This course focuses on the design and analysis of automated accounting systems for businesses. It includes the examination of payroll, receivables and payables, charts of accounts, and accounting reports as well as internal control and security issues.

ACCT 600: Cost Accounting (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship/CPT Qualified

This course focuses on developing knowledge around the principles and practices related to providing management with cost information critical to decision making. Cost accounting is a process of collecting, analyzing, summarizing and evaluating cost of delivery (products or services) with the goal of informing management around alternative decision points. Topics covered include standard costing practices, activity based costing principles, cost-volume-profit analysis, and other key concepts relevant to the cost accounting discipline.

ACCT 601: Advanced Financial Accounting (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship/CPT Qualified

This course focuses on understanding the available alternatives and correct accounting for complex business transactions and business models. Topics covered will include variable interest entities (e.g. joint venture accounting), merger and acquisition principles, accounting for multinational corporations, and other subject matter required in an increasingly complex business environment. Case studies will be used in a highly interactive classroom environment will allow students to explore topics in depth.

ACCT 602: International Accounting (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship/CPT Qualified

As activities and interests of investors, lenders, and companies become increasingly global, accounting professionals are expected to understand and communicate to management the impact of these complexities. This course focuses on developing knowledge and understanding around issues such as international financial reporting standards (IFRS), translation of foreign currency financial statements, analysis of foreign financial statements, and contrasts in multinational auditing and corporate governance. At the end of the course, students will have gained a better understanding of the implications for the accounting professional where international influences impact the daily business transactions of an organization.

ACCT 603: Contemporary Topics in Accountancy (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship/CPT Qualified

The focus of coursework will be current topics of interest in the technical accounting discipline and the general accounting, finance, and business environment. Students will explore hot button topics which impact the practice of the profession as well as the impact on business organizations. A combination of lecture, case studies, classroom interaction, and student project research and presentation will provide students the opportunity to explore contemporary topics of interest and interpret how issues may influence the practice of accounting.

ACCT 650: CPA Exam Preparation (3)

Prerequisite: Completion of all core courses of MS in Accounting curriculum

The focus of this course is to familiarize students with the CPA exam, as administered by the American Institute of Certified Public Accountants (AICPA). The overall exam administration process will be reviewed

and each exam section (Auditing and Attestation, Financial Accounting and Reporting, Regulation, and Business Environment and Concepts) will be reviewed to help students understand the subject matter tested. Additionally, students will participate in practice exam sessions aimed at providing for a self-assessment of exam readiness.

ACCT 698: Master Thesis I (3)

Prerequisite: Completion of at least five Core courses and Dean's or academic advisor's approval.

The thesis work can comprise basic research or a practical project. Students are encouraged to start their thesis work as early as possible. Usually after completing two semesters of course work, the student will be asked to work with a faculty advisor to choose a suitable master's thesis topic and prepare a thesis proposal. Thereafter, the student completes the project and writes a thesis. The master's thesis will project will be conducted over a period of two semesters.

ACCT 699: Master Thesis II (3)

Prerequisite: ACCT 698 Master Thesis I

The thesis work can comprise basic research or a practical project. Students are encouraged to start their thesis work as early as possible. Usually after completing two semesters of course work, the student will be asked to work with a faculty advisor to choose a suitable master's thesis topic and prepare a thesis proposal. Thereafter, the student completes the project and writes a thesis. The master's thesis will project will be conducted over a period of two semesters.

APLX 500: Introduction to Language and Applied Linguistics (3)

Prerequisite: None

This course is designed to provide students with a general introduction to the scientific study of language. The goal is to familiarize students with linguistic terminology, teaching both the methods of linguistic analysis and how to apply them. The course focuses on an introduction to the nature of the language faculty, speech (including physical and mental aspects), the structure of language (including morphology and general syntax), and how language is used. The course also provides an introduction to language acquisition principles, language processing in the brain as well as language change and variation. For students studying a linguistic concentration, it provides the background needed to succeed in other linguistic courses.

APLX 510: Introduction to Language Acquisition (3)

Prerequisite: None

This course introduces students to the main theories of language acquisition and their relevance to language teaching. Students will become familiar with the key concepts that inform the study of L2 acquisition through the review of relevant literature on second language acquisition. The course will also develop students' ability to relate their understanding of how learners acquire second language to language pedagogy.

APLX 520: Introduction to Multilingualism (3)

Prerequisite: None

Internship/CPT Qualified

This course provides an introduction to the linguistic theories and methods associated with multilingualism. Students gain perspectives on the similarities and differences between first and additional language acquisition in children and adults. Key areas of the course include models of second language acquisition, multilingual development, sentence processing, aging and the multilingualism brain, social and cultural constraints, motivational constraints, communication disorders, identity and the education of bilinguals.

APLX 530: Language Teaching Methods (3)

Prerequisite: None

This course is an introduction to the modern theories and current practices of second language pedagogy. Students will learn methodologies of lesson planning, skill integration techniques, course and program development and classroom management. This course provides students with a framework to develop course and programmatic curriculum defined by outcomes centered on an integrated approach to language teaching.

APLX 540: Language Curriculum and Materials Design (3)

Prerequisite: None

Internship/CPT Qualified

This course introduces the students to a needs-based, learning-centered approach to designing courses. Through needs assessment, students identify curricular goals and course objectives. From these they determine an appropriate syllabus structure, develop a course unit outline, plan and create materials for lessons, determine training needs for course instructors and devise a system of evaluation.

APLX 550: Language Assessment (3)

Prerequisite: None

Internship/CPT Qualified

This course examines in depth the major categories of language assessment. The main topics include approaches to evaluating language sub-skills (vocabulary, grammar, pronunciation) and communication skills (speaking, listening, reading, and writing); models of language assessment; examination of standardized tests and their appropriate application; and research-based framework linking assessment to instruction.

APLX 572: Technologies for Language Learning (3)

Prerequisite: None

Internship/CPT Qualified

This course examines the use of technology as a teaching tool for the traditional classroom. Students explore methods of implementing technology into the classroom/curriculum and how to discern the efficacy of digital/online resources to provide an engaging and authentic learning environment.

APLX 615: Pedagogical Grammar for Communicative Classrooms (3)

Prerequisite: None

Internship/CPT Qualified

This course provides an overview of the structure of language drawing upon the theoretical perspective of generative grammar, cognitive sciences, systemic-functional, and corpus linguistics to illuminate how grammar operates at the morphological, syntactic, and discourse levels. The course provides insight into the nature of the human capacity of language via means of a concentrated focus on the structure of language. Students will explore and analyze the internal structure of words, phrases and sentences as well as gain a foundation in understanding how language is structured but also how it is changeable over time.

APLX 620: Teaching Pronunciation (3)

Prerequisite: None

Internship/CPT Qualified

This course is a comprehensive introduction to pronunciation pedagogy. This is a two part course including a theoretical look at the sound system and practical application of phonology/pronunciation in the second language classroom and curriculum. Students will study the anatomy and mechanics of speech as well as principles/practices and realistic resources and technology for application in the classroom.

APLX 623: Teaching Multiliteracy (3)

Prerequisite: None

Internship/CPT Qualified

This course introduces students to the pedagogical approaches to second language reading and writing in the framework of current theoretical perspectives on second language reading and writing processes, practices, and authors. Students gain practical knowledge in the areas of phonemic awareness, vocabulary and text comprehension, tactics for improving reading fluency and teaching writing in contextual exercise.

APLX 630: Sociolinguistics in the Classroom (3)

Prerequisite: None

Internship/CPT Qualified

This course introduces students to theoretical principles governing social and linguistic variation, the methodology used to study it, the patterns and systems that underlie language variation in use, and the

ways in which alternations between different language varieties index personal style, social power, and national identity.

APLX 635: Intercultural Communication (3)

Prerequisite: None

Internship/CPT Qualified

This course also serves to introduce students to key issues of intercultural communication, core American and foreign cultural concepts, and ways in which culture affects language teaching and learning.

APLX 655: Special Topics in Applied Linguistics (3)

Prerequisite: Permission from the Academic Dean

Internship/CPT Qualified

This course covers topics of current interest selected by the faculty before each semester. Special topics courses are developed to cover emerging issues or specialized content not represented in the main curriculum, but deemed to be of special interest to language teaching professionals.

APLX 665: TESOL Practicum (3)

Prerequisite/Co-requisite: APLX 530 or APLX 540

Credit Hour Breakdown: 115 hours of practicum, 15 hours of seminar/lab

This course is designed to provide an experiential exposure to an actual second language classroom setting. It serves as a practical experience to observe and provide personal and professional development for a student's actual teaching experience applying the skills learned in the program. The course provides opportunity for observation, cooperative planning with a language teaching professional and supervised teaching to an actual class. Additionally, students will fine tune existing skills learned while taking courses in the program through periodic seminars and journal assignments. Throughout the course, students will build a professional teaching portfolio used as the final requirement for graduation from the program.

APLX 666: Internship for Multilingual Education (3)

Prerequisite: Completion of a minimum of 18 credits in the program Credit Hour Breakdown: 135 hours of practicum

This course provides supervised field experience in a setting appropriate to the student's program and career goals. Examples of appropriate experience include (but are not limited to) teaching language courses; assisting a language instructor; developing language teaching materials or tests. The students are expected to work on-site for at least 135 hours; when the student is the primary instructor of a course, it may be appropriate to count 2 hours of prep and grading for each hour of face-to-face classroom instruction. Students are expected to communicate with the faculty advisor regularly and submit required documentation and projects on time.

APLX 699: Master's Thesis Research (3)

Prerequisite: Concurrently enrolled in or successful completion of EDUC 640, good academic standing, and permission of the Academic Dean.

The Master's Thesis provides an opportunity for students to build upon and contribute considerably to existing knowledge in the field. Students shall formalize a specific and specialized topic of interest directly related to their field of study. This shall be done through independent research and empirical analysis on an area deemed to be a problem or needs more extensive consideration.

The purpose of the thesis is to incorporate and integrate knowledge learned throughout the courses in the program of study. Students will work closely with a core faculty member to identify a topic of interest and conduct rigorous review and analysis of the relevant theoretical, empirical and practical knowledge. Students are encouraged to choose topics related to their specific interests including previous experience and or future professional or academic goals.

ARAB 100: Elementary Arabic I (3)

Prerequisite: Placement or no previous exposure to the language.

This course is an introduction to Arabic grammar, structure, and use. This course uses a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are

embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language.

ARAB 105: Elementary Arabic II (3)

Prerequisite: ARAB 100 or placement

This course is an introduction to Arabic grammar, structure, and use. This course uses a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Elementary Arabic I while reinforcing production skills and vocabulary building.

ARAB 200: Intermediate Arabic I (3)

Prerequisite: ARAB 105 or placement

This course is an intermediate Arabic course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Elementary Arabic II while reinforcing meaningful and purposeful production skills and vocabulary building to emphasize communicative competence. The target language is the primary language of instruction.

ARAB 205: Intermediate Arabic II (3)

Prerequisite: ARAB 200 or placement

This course is an intermediate Arabic course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Intermediate Arabic I while reinforcing meaningful and purposeful production skills and vocabulary building to emphasize communicative competence. The target language is the primary language of instruction.

ARAB 250: Conversational Arabic I (3)

Prerequisite: ARAB 105 or placement

This course is an intermediate Arabic course and builds upon skills learned in the elementary level. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in elementary and intermediate Arabic with a focus on oral communication in the target language. The target language is the primary language of instruction.

ARAB 300: Advanced Arabic I (3)

Prerequisite: ARAB 205 or placement

This course is an advanced Arabic course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the skills and vocabulary required to communicate in a foreign language at an advanced level. Students will apply their knowledge of grammar,

structure, and use to communicate fluidly and clearly in the target language in meaningful and purposeful activities designed to simulate real-world scenarios. Students will expand their communicative competence skills to be able to apply course content to a final project exemplifying their abilities. The target language is the language of instruction.

ARAB 305: Advanced Arabic II (3)

Prerequisite: ARAB 300 or placement

This course is an advanced Arabic course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the skills and vocabulary required to communicate in a foreign language at an advanced level. Students will apply their knowledge of grammar, structure, and use to communicate fluidly and clearly in the target language in meaningful and purposeful activities designed to simulate real-world scenarios. Students will expand their communicative competence skills to be able to apply course content to a final project exemplifying their abilities. The target language is the language of instruction.

BIOL 101: General Biology (3)

Prerequisite: None

This course is an introduction to the fundamentals of biology. It includes cell structure, chemistry and function, adaptation, and ecology.

BUSS 154: Introduction to Import & Export Management (3)

Prerequisite: None

Internship / CPT Qualified

For many organizations, the first step toward multinational operations begins with importing and exporting goods. This course focuses on the strategies and processes of import/export management.

BUSS 210: Introduction to Business (3)

Prerequisite: None

This course presents an introduction to the functioning of business enterprises within the US economic framework. Topics include developing a business vocabulary and learning the basic principles and practices of contemporary businesses. Upon completion, students should have an understanding of business concepts that will serve as a foundation for their further studies in the business field.

BUSS 260: Internship Level I (3)

Prerequisite: None

This course will provide practical training and hands-on experience to undergraduate students working in various areas of business administration. The objective is to expose students to the process and operations of the general business environment. Students will be able to gain insights into general business operations which would enhance their classroom learning in various business disciplines. This three credit hour internships are for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

BUSS 261: Internship Level II (3)

Prerequisite: None

This course will provide practical training and hands-on experience to undergraduate students in their more concentrated area of business administration. The objective is to give students practical work experience in a business environment specially related to their undergraduate business contraction area. Students will gain key industry knowledge in specific concentration areas such as international business, marketing, finance, etc. This three credit hour internships are for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

BUSS 301: Principles of Management (3)

Prerequisite: None (For SED students permission of the advisor and successful completion of 18 credits in the program.)

This course surveys the theories and practices of management, including quantitative and behavioral approaches.

BUSS 302: Principles of Marketing (3)

Prerequisite: None (For SED students permission of the advisor and successful completion of 18 credits in the program.)

This course examines the role of marketing in society and the economy, the role of marketing in business operations, and the management of the firm's marketing effort.

BUSS 303: Principles of Finance (3)

Prerequisite: ACCT 201 Principles of Financial Accounting

This course focuses on the methods of financial analysis and planning within the firm including time value of money, cash flow analysis, capital budgeting, and valuation of debt and equity instruments.

BUSS 307: Business Law I (3)

Prerequisite: None

This course examines operations relative to the legal and regulatory environment of business. Topics include torts, contracts, liability, sales, and forms of doing business.

BUSS 312: Organizational Theory & HR Management (3)

Prerequisite: None (For SED a student permission of the advisor and successful completion of 18 credits in the program.)

This course examines how knowledge of individual and group behavior is applied in an organizational setting. Topics include motivation, leadership, group formation and behavior, dysfunctional behaviors, job/task behaviors, and job enrichment/enlargement. The course also examines the ways in which firms recruit, select, train, evaluate, and compensate employees. Current practices in industry are discussed as well as theories and labor law.

BUSS 314: Corporate Finance (3)

*Prerequisite: BUSS 303 Principles of Finance
Internship / CPT Qualified*

This course on corporate money management deals with long- and short-term capital, financial resources, flow of funds analysis and its time value, credit policy formulation and operation, financial aspects of parent-subsidiary relationships, and financial functions in the multinational corporations.

BUSS 321: Consumer Behavior (3)

*Prerequisite: BUSS 302 Principles of Marketing
Internship / CPT Qualified*

This course examines how our knowledge of human behavior is used to create and market goods and services. It also examines how marketers study human behavior to determine consumer needs as well as predict future needs.

BUSS 322: Marketing Research (3)

*Prerequisite: STAT 200 Introduction to Statistics
Internship / CPT Qualified*

This course examines the theories and techniques of marketing research. In addition to discussing the design of marketing research studies, the tools used to carry out such studies will be covered as well as the use of marketing research results to make management decisions.

BUSS 340: International Business (3)

*Prerequisite: BUSS 210 Introduction to Business or BUSS 312 Organizational Theory & HR Management
Internship / CPT Qualified*

This course focuses on the international environment and the ways in which businesses adapt to differences in culture, economic systems, and political systems.

BUSS 348: Public Relations (3)

Prerequisite: BUSS 210 Introduction to Business

This course explores the interdisciplinary knowledge and skills foundations related to public relations, management, communication, social sciences and research. Students will be trained in the basic practical skills and educated in public relations, international public relations, and ethical and legal issues at a level suitable for an undergraduate academic qualification.

BUSS 360: Internship Level III (3)

Prerequisite: None

This course will provide practical training and hands-on experience to undergraduate students in their area of professional interest. The objective is to give students experience and exposure in areas of their specific current and/or future professional interest. Students will be able to work in any key business areas as long as the opportunity clearly aligns to their professional goals. This three credit hour internships are for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

BUSS 406: Operations Management (3)

Prerequisite: STAT 200 Introduction to Statistics

This course applies the mathematical modeling techniques of operations research to business operations problems such as forecasting, scheduling, facility design, and facility location.

BUSS 407: Political & Social Environment of Business (3)

Prerequisite: BUSS 301 Principles of Management

This course examines how business decisions are shaped by the political, legal, and social environment in which firms operate. It includes an examination of ethical decision-making as well as social responsibility.

BUSS 420: Introduction to Investment Banking (3)

Prerequisite: BUSS 303 Principles of Finance

Internship / CPT Qualified

This course analyzes the financial services that investment banks provide to corporations and governments. Some of the topics included are raising capital through the issuance of equity and debt securities; initial public offerings and secondary issues; private placements; venture capital; privatizations; and mergers and acquisitions, including the related activities of divestitures, spin-offs, and workouts.

BUSS 421: Advertising and Promotion (3)

Prerequisite: BUSS 302 Principles of Marketing

Internship / CPT Qualified

This course examines the ways in which organizations promote their goods and services to potential customers. The costs and benefits of various promotional mixes and strategies are examined.

BUSS 422: Sales Management (3)

Prerequisite: None

Internship / CPT Qualified

This course deals with the personal selling function and its related managerial activities. It covers the development of the sales function, sales management planning, and sales force organization, recruiting, training, supervision, motivation, compensation, and evaluation.

BUSS 423: Services Marketing (3)

Prerequisite: BUSS 302 Principles of Marketing

Internship / CPT Qualified

This course focuses on the specific challenges of marketing the services firm. The basic conceptual differences between selling a product and selling a service are the critical distinction in this course.

BUSS 424: Not-for-Profit Marketing (3)

*Prerequisite: BUSS 302 Principles of Marketing
Internship / CPT Qualified*

This course focuses on the specific challenges of marketing the not-for-profit organization. Topics include marketing for donations, marketing to attract members and volunteers, and how the intangible nature of most not-for-profit activities distinguishes this type of marketing from other marketing activities.

BUSS 425: Internet Marketing (3)

*Prerequisite: BUSS 302 Principles of Marketing
Internship / CPT Qualified*

This course focuses on the marketing of goods and services over the Internet. It examines emerging theories and practices of online companies as well as successes and failures of Internet-based marketing.

BUSS 430: Financial Analysis and Valuations (3)

*Prerequisite: BUSS 303 Principles of Finance
Internship / CPT Qualified*

The focus of this course is on the valuation of companies. Topics discussed include discounted cash flow techniques and valuations using alternative valuation techniques such as price multiples. Emphasis is on developing the required information for valuation from financial statements and other sources.

BUSS 442: International Marketing (3)

*Prerequisite: BUSS 302 Principles of Marketing
Internship / CPT Qualified*

This course focuses on the marketing of goods and services in international and global markets. It examines the ways in which firms globalize and localize their offerings to balance the demands of scale economies with consumer needs.

BUSS 443: International Strategy (3)

*Prerequisite: BUSS 210 Introduction to Business
Internship / CPT Qualified*

This course focuses on the strategies employed by firms competing in multinational and global markets. It draws heavily upon case studies of firm strategies.

BUSS 444: International Finance (3)

*Prerequisite: BUSS 303 Principles of Finance or ECON 101 Principles of Microeconomics
Internship / CPT Qualified*

This course focuses on the techniques and strategies of firms operating in the international environment. Topics covered include exchange rates, currency trading and risk, hedging techniques, international capital markets, and blocked fund alternatives.

BUSS 456: Project Management (3)

Prerequisite: None

This course introduces main project management concepts such as the keys to project success, leadership skills in project management, project management process and lifecycle, project planning, defining project outcomes and objectives, working effectively with key stakeholders, defining project scope, project phasing, time and cost, operational risk, project monitoring and control, progress reviews, quality assurance, change management, project risk assessment, and working with people and teams.

BUSS 460: Internship Level IV (3)

Prerequisite: None

This course will provide practical training and hands-on experience to undergraduate students as related to their area of interest for their senior research project course. The objective is to give students insights

and access to information that will help them complete their senior business research project. Students will be able to work in any area of interest as long as it relates to their current or future conceptual framework of their senior research project. This three credit hour internship is for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

BUSS 470: Business Law II (3)

Prerequisite: BUSS 307 Business Law I

This course continues the discussion of legal topics relevant to business. It is especially useful to accounting students who are preparing for the CPA exam, but it is also useful for any student wanting to gain further understanding of legal issues in business.

BUSS 480: Senior Business Research Project (3)

Prerequisite: All Core Courses and first semester senior Concentration Courses

Internship / CPT Qualified – Per Approval by the Dean

This course is designed for students to develop a project that will encompass the key elements of business operations which have been studied throughout the undergraduate degree program, culminating in the submission of a final project paper and an oral presentation.

CAR 100: Career Planning & Management (3)

Prerequisite: None

In-depth exploration and assessment of career values, occupational interests, skills, personality style, work environment preferences; concentration and career exploration; exposure to career and occupational information resources. Students learn and practice job search strategies and tools, including resumes and interviewing skills; decision-making, goal-setting and action planning; and self-marketing techniques for effective career management.

CAR 600: Career Planning & Management (3)

Prerequisite: None

In-depth exploration and assessment of career values, occupational interests, skills, personality style, work environment preferences; concentration and career exploration; exposure to career and occupational information resources. Students learn and practice job search strategies and tools, including resumes and interviewing skills; decision-making, goal-setting and action planning; and self-marketing techniques for effective career management.

CHEM 101: General Chemistry (3)

Prerequisite: None

This course introduces the fundamentals of chemistry including atomic and molecular structure, thermochemical changes, and conservation of energy.

CHIN 100: Elementary Chinese I (3)

Prerequisite: Placement or no previous exposure to the language.

This course is an introduction to Chinese grammar, structure, and use. This course uses a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Elementary Chinese I while reinforcing production skills and vocabulary building.

CHIN 105: Elementary Chinese II (3)

Prerequisite: CHIN 100 or placement

This course is an introduction to Chinese grammar, structure, and use. This course uses a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Elementary Chinese I while reinforcing production skills and vocabulary building.

CHIN 200: Intermediate Chinese I (3)

Prerequisite: CHIN 105 or placement

This course is an intermediate Chinese course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Elementary Chinese II while reinforcing meaningful and purposeful production skills and vocabulary building to emphasize communicative competence. The target language is the primary language of instruction.

CHIN 205: Intermediate Chinese II (3)

Prerequisite: CHIN 200 or placement

This course is an intermediate Chinese course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Intermediate Chinese I while reinforcing meaningful and purposeful production skills and vocabulary building to emphasize communicative competence. The target language is the primary language of instruction.

CHIN 250: Conversational Chinese I (3)

Prerequisite: CHIN 105 or placement

This course is an intermediate Chinese course and builds upon skills learned in the elementary level. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in elementary and intermediate Chinese with a focus on oral communication in the target language. The target language is the primary language of instruction.

CHIN 300: Advanced Chinese I (3)

Prerequisite: CHIN 205 or placement

This course is an advanced Chinese course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the skills and vocabulary required to communicate in a foreign language at an advanced level. Students will apply their knowledge of grammar, structure, and use to communicate fluidly and clearly in the target language in meaningful and purposeful activities designed to simulate real-world scenarios. Students will expand their communicative competence skills to be able to apply course content to a final project exemplifying their abilities. The target language is the language of instruction.

CHIN 305: Advanced Chinese II (3)

Prerequisite: CHIN 300 or placement

This course is an advanced Chinese course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the skills and vocabulary required to communicate in a foreign language at an advanced level. Students will apply their knowledge of grammar, structure, and use to communicate fluidly and clearly in the target language in meaningful and purposeful activities designed to simulate real-world scenarios. Students will expand their communicative competence skills to be able to apply course content to a final project exemplifying their abilities. The target language is the language of instruction.

CMP 110: Introduction to Computing (3)

Prerequisite: None

This course introduces computer systems, their capabilities, limitations, and applications. Students survey computer concepts with an emphasis on the personal computer and its practical use, including hardware, application and system software, the Internet and World Wide Web, communications, database management, e-commerce, and computers in society.

CMP 120: Programming Logic (3)

Prerequisite: None

This course introduces algorithmic thinking and problem solving without focusing on any particular language. Students will learn the basic constructs of programming, including variables, constants, expressions, control structures, functions pointers and arrays, and are introduced to functional, decision-based and iterative processing of data.

CMP 130: Ethical, Societal and Legal Aspects of Computing (3)

Prerequisite: None

This course first provides a review of computer systems, applications and the Internet; and thereafter discusses the impacts of technology on society and the responsibilities of technical professionals as the principal agents in developing and applying new technology. Various important and controversial issues will be discussed, such as computers and privacy, effects of communications technology on the democratic process, environmental problems, intellectual property, and technology and war. Several different ethics codes will be used as the basis for discussion of professional obligations.

CMP 210: Programming I (3)

Prerequisite: CMP 120

This course examines the fundamental data structures and analyzes algorithms such as files, sets, strings, and linked lists. It introduces searching and sorting algorithms and algorithm analysis. This course also covers abstract data types and essential data structures such as arrays, stacks, queues, and trees. The major emphasis of this course is on program development through various programming projects.

CMP 220: Programming II (3)

Prerequisite: CMP 120

This course concentrates on the concepts of object oriented programming (OOP) paradigm. Concepts presented are exemplified using a selected object oriented programming language. Topics include: fundamental abstraction, modularity and encapsulation mechanisms in OOP, classes, inheritance, polymorphism, exception handling, concurrent programming, data structures. Students complete a term project that utilizes object oriented programming.

CMP 230: Discrete Mathematical Methods for Computing (3)

Prerequisite: None

This course is intended to be a college-level introductory Discrete Mathematics course for either undergraduate or graduate students. The course focuses on the following seven key topics: Combinatorial Problems and Techniques, Sets, Relations and Functions, Coding Theory, Graphs, Matching, Counting Techniques, Recurrence Relations and Generating Functions.

CMP 250: Computer Architecture (3)

Prerequisite: CMP 110

This course is an introduction to the architecture of computer systems. Topics include: computer hardware organization; floating-point arithmetic; central processing units; instructions set design issues; micro-programmed. control; addressing and memory hierarchies; bus control and timing; hardwired control; parallelism, pipelining; input/output mechanisms, peripheral devices; interrupt systems; software versus hardware trade-offs.

CMP 260: Operating Systems (3)

Prerequisite: CMP 110

The course is an introduction to the fundamentals of operating systems. Topics included: concurrent processes and synchronization mechanisms; processor scheduling; memory management, virtual memory; paging, file management; input/output management; deadlock management; interrupt structures, interrupt processing; device management; performance of operating systems; synchronization in a multi-programmed. operating systems and with virtual memory management. Formal principles are illustrated with examples and case studies of one or more contemporary operating systems.

CMP 270: Essentials of Networking (3)

Prerequisite: CMP 110

This course includes the fundamentals of network standards, concepts, topologies and terminologies including LANs, WANs, Internet Protocol addressing, subnet masking and network design, and various protocols. This course teaches concepts from the Open Systems Interconnection Networking Reference Model, developed by the International Standards Organization to describe the function and structure of network communications protocols.

CMP 330: Data Structures and Algorithm Analysis (3)

Prerequisite: CMP 120

This course introduces the analysis of algorithms and the effects of data structures on them. Topics include algorithms selected from areas such as sorting, searching, shortest paths, greedy algorithms, backtracking, divide and conquer, and dynamic programming. Data structures include heaps and search, splay, and spanning trees. Analysis techniques include asymptotic worst case, expected time, amortized analysis, solution of recurrence relation and reductions between problems.

CMP 340: Principles of Programming Languages (3)

Prerequisite: CMP 120

This course covers the fundamental concepts of programming language design and implementation. Topics include: language paradigms, syntax and semantics; names, binding, allocation, data structures, data types; scopes; control structures, data flow, concurrency; exception handling; subprograms; comparison of imperative, functional, logical, and object-oriented programming languages.

CMP 343: Computer Security Principles (3)

Prerequisite: CMP 270

The course is an introduction to computer security. Course topics include: computer security incident response process; computer criminal evidence collection, analysis and handling, email investigation, malicious code investigation, network traffic analysis and router investigation, hacker tools analysis, and computer/network forensic report writing. The course identifies and examines information security threats, information security methods, and implementation approaches used in information technology industry.

CMP 350: Database Concepts (3)

Prerequisite: None

This course introduces the fundamental concepts for design and development of database systems. Topics include: review of relational data model and the relational manipulation languages SQL and QBE; integrity constraints; logical database design, dependency theory and normalization; query processing and optimization; transaction processing, concurrency control, recovery, and security issues in database

systems; object-oriented and object-relational databases; distributed databases; emerging database applications.

CMP 353: Application Software Security (3)

Prerequisite: CMP 343

Internship /CPT Qualified

This course studies the security concepts in developing software applications. Topics include design principles for secure software development, and some of the security issues in current programming and scripting languages, database systems Web servers, as well as issues in web applications security.

CMP 355: Programming with C/C++ (3)

Prerequisite: CMP 120

This course covers the fundamental concepts of C/C++ programming language. Topics include variables, expressions and interactivity, relational and logical operators, looping, functions, arrays, pointers, classes, file operations, inheritance, polymorphism and virtual functions. Student completes a term project that utilizes C/C++.

CMP 360: Web Development Methods (3)

Prerequisite: CMP 120

Internship /CPT Qualified

This course introduces web development technologies. The topics include: webpage design techniques, using web design editors, designing graphical user interface with image processing tools, client and server side scripting, and development of database applications. Upon completion, students should be able to employ advanced design techniques to create high impact and highly functional webpages and have hands-on experience in designing a website.

CMP 365: Information Technology Project & Service Management (3)

Prerequisite: The Program Core courses

This course introduces the fundamentals of project management, beginning with project definition and culminating in the post-project review. Students learn techniques, terms and guidelines that are used to manage costs, schedules, risk, group dynamics and technical aspects throughout the life cycle of the project. The course also investigates peculiarities of projects when services are outsourced in another department in the organization, domestically, and internationally.

CMP 373: Operating System Security (3)

Prerequisite: CMP 343

This course discusses security concepts and issues relative to a wide range of operating systems, as well as existing tools and technologies for setting up a secure system. Topics include vulnerabilities and risk assessment in operating systems, secure passwords, and trusted operating systems.

CMP 375: Human-Computer Interactions (3)

Prerequisite: None

Topics that this course covers include effective, productive information systems, design and evaluation of interactive computer systems, input and output devices, screen layouts, machine design, health issues and ergonomics, and organizational impacts.

CMP 389: Independent Study (3)

Prerequisites: The Program Fundamental Core courses, and Dean's approval

This course offers the opportunity and challenge of self-directive, independent study; develops the individual's ability as an independent student; and enables the student to pursue needed study in a field in which appropriate courses are not being offered during a given term.

CMP 391: Internship Level I (3)

Prerequisite: Dean's approval

This course provides practical experience through hands on activities for undergraduate students in direct connection with the core courses taken in their program. Students will have the ability to apply theoretical

concepts in real life applications, and to extend their knowledge base examples of real life applications. Students are expected to work at least 135 hours per semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

CMP 392: Internship Level II (3)

Prerequisite: Dean's approval

This course provides practical experience through hands on activities for undergraduate students in direct connection with the core courses taken in their program. Students will have the ability to apply theoretical concepts in real life applications, and to extend their knowledge base examples of real life applications. Students are expected to work at least 135 hours per semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

CMP 420: Usability Evaluation and Interface Development (3)

Prerequisite: CMP 375

Internship /CPT Qualified

This course surveys methods for evaluating user interfaces. For projects, students will perform a heuristic evaluation, a cognitive walkthrough, a usability test and a comparison study. Class meetings will also introduce, discuss and occasionally practice additional methods such as user modeling and questionnaires.

CMP 440: Software Engineering (3)

Prerequisite: CMP 220 or CMP 330

This course covers the techniques in software design and development. Topics include: modern software engineering practice for long-term, large-scale programming projects; methods for requirements, specification, design, analysis, implementation, verification, and maintenance of large software systems; advanced software development techniques and large project management approaches; project planning, scheduling, resource management, accounting, configuration control, and technical documentation. Students organize, manage and develop a software engineering project.

CMP 443: Network Security (3)

Prerequisite: CMP 343

Internship /CPT Qualified

This course discusses the network security principles and applications, including authentication applications, IP security, Web security, network management security, wireless security and system security.

CMP 445: Distributed Systems (3)

Prerequisites: CMP 250 or CMP 260

Internship /CPT Qualified

This course introduces the fundamentals of distributed systems and algorithms. Topics include: distributed systems architecture; input/output subsystems; distributed shared memory; load-balancing; cache coherency; message passing; remote procedure calls; group communication; naming and membership problems; asynchrony, logical time and consistency; fault-tolerance and recovery.

CMP 453: Information Assurance and Privacy (3)

Prerequisite: CMP 343

Internship /CPT Qualified

This course is an introduction to the various technical and administrative aspects of information security and assurance. This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features.

CMP 463: Computer Forensics (3)

Prerequisite: CMP 343

Internship /CPT Qualified

This course surveys the processes of performing computer crime investigations. The course examines three key areas: the computer technology, investigative techniques and the legal aspects. Students learn how to investigate crime scenes, intrusions, and hacker attacks; gathering and analyzing digital evidence to discover the truth; the technical expertise needed to gather, filter, and authenticate e-evidence for use in court or legal actions with knowledge of relevant laws regarding civil rights, search warrants, and rules of evidence; computer and email forensics, PDA and Blackberry forensics, cell phone and IM forensics.

CMP 465: Theory of Computation (3)

Prerequisites: CMP 230

This course covers theoretical frameworks of computing and their relations to formal grammars and languages. Topics include: finite state machines; regular languages and their limitations; tape automata, pushdown automata; context free languages, normal form grammars; Turing machines, halting problem; unsolvable decision problems.

CMP 466: Programming for Mobile Devices (3)

Prerequisite: CMP 330 or CMP 220 or CMP 360

Internship /CPT Qualified

This programming course is designed to introduce and familiarize the student to programming mobile devices using current platforms and mobile device emulators. An overview of the most common tools and techniques for writing mobile applications are examined, with focus on the development of the user interface and the usability of the application.

CMP 467: Database Systems for Web Applications (3)

Prerequisite: CMP 350

Internship /CPT Qualified

The student explores the software development life cycle for Web applications. It provides an in-depth coverage on critical Web application development topics combined with technical foundations and hands-on experiences, and implementation of real-world Web applications and secure Web transactions.

CMP 471: Special Topics in Computer Science (3)

Prerequisites: The Program Fundamental Core courses or Dean's Approval

Internship /CPT Qualified

This course will cover topics of current interest selected by the faculty. Subjects will be announced before each semester.

CMP 472: Special Topics in Information Technologies & Systems (3)

Prerequisites: The Program Fundamental Core courses or Dean's Approval

Internship /CPT Qualified

This course will cover topics of current interest selected by the faculty. Subjects will be announced before each semester.

CMP 489: Independent Study (3)

Prerequisites: The Program Fundamental Core courses and the Dean's approval

This course offers opportunity and challenge of self-directive, independent study; develops the individual's ability as an independent student; and enables the student to pursue needed study in a field in which appropriate courses are not being offered during a given term.

CMP 491: Internship Level III (3)

Prerequisite: Dean's approval

This course provides practical experience through hands on activities for undergraduate students in direct connection with the core courses taken in their program. Students will have the ability to apply theoretical concepts in real life applications, and to extend their knowledge base examples of real life applications. Students are expected to work at least 135 hours per semester. Students are required to attend two

meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

CMP 492: Internship Level IV (3)

Prerequisite: Dean's approval

This course provides practical experience through hands on activities for undergraduate students in direct connection with the core courses taken in their program. Students will have the ability to apply theoretical concepts in real life applications, and to extend their knowledge base examples of real life applications. Students are expected to work at least 135 hours per semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

CMP 498: Capstone Project I (3)

Prerequisite: All 300-Level core courses

This is the first phase of a technical project that emphasizes engineering design principles on a specific topic in any field of computer science or engineering. It will be carried out by the senior student under the supervision of a faculty member. The first phase of the project includes identification of a topic and completion of the preliminary work. A progress report must be submitted at the end of the semester detailing the problem description, proposed solution approach, and a list of deliverables.

CMP 499: Capstone Project II (3)

Prerequisite: CMP 498

This is the second phase of the technical project that emphasizes engineering design principles on a specific topic in any field of computer science or engineering. It will be carried out by the senior student under the supervision of a faculty member. The first phase of the project must be completed in CMP 498. A written report summarizing the accomplishments of the project and an oral presentation are required in this course.

CMP 509: Health Informatics Capstone Project (3)

Prerequisite: Completion of the all core courses and four specialization elective courses

A capstone project that integrates knowledge gained in the classroom with real-world problems that consists of practical work and research in a major area of Health Informatics; including emerging trends and their potential effect on health informatics. Potential areas of work include design or analysis of health informatics systems, programs, or applications; program planning; and policy development.

CMP 511: Computer Architecture and Implementation (3)

Prerequisite: CMP 250 or CMP 260

This course surveys architecture and organization of modern computing systems including: CPU design, instruction sets, memory hierarchy, pipelined machines, and multiprocessors. The emphasis is on the major component subsystems of high performance computers: pipelining, instruction level parallelism, thread-level parallelism, memory hierarchies, input/output, and network-oriented interconnections. This course introduces techniques and tools for quantitative analysis, evaluation, and implementation of modern computing systems and their components.

CMP 513: Risk Management and Control (3)

Prerequisite: CMP 612

This course examines in detail the planning, organizing, and managing of resources to bring about the successful completion of specific project goals and objectives, within time, budget and scope. Topics covered include scope control, resources management, adhering to project constraints of scope, quality, time and budget; risk assessment and identification, handling and monitoring risks, the tools and techniques for risk mitigation and control; using project management tools to facilitate scheduling, estimating, tracking and controlling the project schedule and costs; communicating project status, developing contingency plans, and incorporating risk and quality factors into project cost and schedules. This course emphasizes a hands-on approach in using project management tools.

CMP 514: Virtual Organizations (3)

Prerequisite: CMP 612

This course examines virtual teams and collaborative technologies. The topics covered include the process of virtual teaming, group psychology, group communication theories, group behaviors, design and leadership of meetings, meeting types; information briefing, document writing, focus group, decision making, requirements gathering, and training; leading, participating in and maintaining geographically distributed development (GDD) projects; survey of current collaboration technologies, and selecting appropriate collaboration technologies.

CMP 515: Enterprise Program Management (3)

Prerequisite: CMP 612

Internship / CPT Qualified

This course examines how an enterprise coordinates and effectively manages all its IT projects and programs. The topics covered include IT project and program management, the IT program management office, the role of program management, managing stakeholder expectations, program and project governance, organizational change and business process reengineering, global, ethics, and security management.

CMP 516: IT Investment Economics (3)

Prerequisite: CMP 513

This course discusses the application of financial analysis and decision-making approaches to assist in making IT investment decisions. The topics covered include break-even analysis, present value (PV) analysis, profitability index (PI), and return on investment (ROI) for different IT investment decisions, cost benefit analysis, outsourcing including outsourcing, off-shoring, offshore management, acquisition management and global perspectives, balanced scorecard, and multi-factor scoring, benchmarking, and IT investment portfolio methods.

CMP 518: Special Topics in Enterprise Project Management (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover topics of current interest, emerging topics and technologies in IT project management selected by the faculty. Topics will be announced before each semester.

CMP 519: Enterprise Project Management Capstone Project (3)

Prerequisite: All core courses and four specialization courses

This course consists of a capstone project that integrates and applies concepts previously studied. Best practices in enterprise project management including emerging trends and their potential effect on enterprise project management will be studied.

CMP 540: Information Technology Fundamentals & Management (3)

Prerequisite: None

This course provides in-depth coverage of the role of information systems in business organizations, with a focus on their applications and current issues facing managers and users. Lectures, discussions, presentations and student project work will promote an understanding of the strategic importance of information systems, their impact on people and organizations, the many ways they can improve work practices, and the ways they can improve products and services.

CMP 550: IT Infrastructure (3)

Prerequisite: None

This course provides a holistic overview of the IT infrastructure in large enterprises. The topics covered include telecommunications fundamentals including data, voice, image, and video, the concepts, models, architectures, protocols, standards, and security for the design, implementation, and management of digital networks, server architectures, server farms, cluster computing, grid computing and cloud computing; storage area networks and network attached storage, data center design and implementation; the development of an integrated technical architecture (hardware, software, networks, and data) to serve organizational needs in a rapidly changing competitive and technological environment; network, data and

application architectures, and enterprise application integration, XML, Web Services (WS), and service oriented architectures (SOA).

CMP 551: Research Methods (3)

Prerequisite: None

This course provides knowledge of research methodologies used in management information systems, information systems, information technology, computer science, and other disciplines. The course includes experimental design, surveys, case studies, and fieldwork. It introduces students to applied research methodologies. The use of analytical tools, literature searches, and the application of VIU documentation style will result in a formal written proposal that may serve as the basis for each student's special project.

CMP 552: Information Systems (3)

Prerequisite: None

This course explores the management of information systems and related information technologies (IS/IT) as a part of a broader socio-technical system and their impacts on people and processes that extend well beyond organizational boundaries. Also, subjective and debatable issues associated with IS/IT will be discussed. Accordingly, critical thinking is an important part of this course and is essential for an analysis and understanding of important issues associated with the management aspects of information systems.

CMP 553: Analysis, Modeling and Design (3)

Prerequisite: None

This course provides an overview of the systems development life-cycle. It introduces tools and methods for the analysis and design of information systems and the management and organizational skills needed for their implementation. Information analysis in entity-relationship modeling and process modeling in data flow diagrams will be covered as the key skills in structured system analysis and design.

CMP 554: Healthcare Information Systems (3)

Prerequisite: CMP 550 or CMP 570

This course examines information systems in the healthcare domain including information architectures, administrative and clinical applications, evidence-based medicine, information retrieval, decision support systems, security and confidentiality, bioinformatics, information system cycles, electronic health records (EHR), key health information systems and standards, and medical devices.

CMP 555: Healthcare Data Management (3)

Prerequisite: CMP 553

This course examines healthcare informatics standards for storing and exchanging data in healthcare technology systems. It explores the issues of data representation in healthcare systems, including patient and provider identification, audit trails, authentication, and reconciliation; the design of repositories for electronic health records (EHRs) and computerized provider order entry (CPOE) systems; privacy issues, legislation, regulations, and accreditation standards unique to healthcare. The course also examines the relational model, query formulation using SQL, database design using the entity relational model, normalization, transactions, optimization, backup and recovery, security issues, clinical data warehousing and mining, database administration, the JSON data inter-change format, XML as a data model, and internet database environments.

CMP 556: Database Management Systems I (3)

Prerequisite: CMP 350

This course provides an introduction to relational models, normalization, query facilities, transactions, indexing, security issues, relational algebra, SQL database design stages, distributed databases, data warehousing, data and database administration, the JSON data inter-change format, and Internet database environments. Students will learn about various DBMS software products and multi-user database environments and how they are controlled.

CMP 557: Healthcare Delivery Models (3)

Prerequisite: CMP 570

Internship / CPT Qualified

The course examines systems of healthcare at a “macro” scale through a variety of readings and classroom discussions. The topics covered include healthcare delivery models, structure, organizations, policy, capital and operating budgets, the budget planning process, and infrastructure design and strategic planning, and the workforce. Other topics include: vendor evaluation and selection, clinical administration systems, the design and management of integrated delivery systems, and emerging trends in healthcare delivery systems. In addition, students are exposed to the processes of healthcare at a “micro” scale, through field experiences in a variety of healthcare settings such as inpatient wards, emergency department, and outpatient clinics.

CMP 558: Network and Information Security (3)

Prerequisite: CMP 550 or CMP 562

This course is an introduction to the key security concepts required for the design, use, and implementation of secure voice and data communications networks, including the Internet. The security topics covered include defense models, authentication and authorization controls including biometrics, firewalls, packet filtering, virtual private networks (VPNs), security policy development, introduction to wireless network security, cloud computing security, disaster planning, backups, and risks mitigation strategies.

CMP 559: Introduction to Information Assurance (3)

Prerequisite: CMP 540 or CMP 550

The course provides an overview of several related topics in information security and assurance. The topics covered include: security architecture, security models, access control systems and methodology, applications and systems security, operation security, database security, cryptography, physical security, network and Internet security, business continuity planning, security management and law and ethics in information assurance.

CMP 560 Software Engineering (3)

Prerequisite: None

The objective of this course is to familiarize students with software application development processes and underlying concepts. Topics covered include Object-Oriented Analysis & Design, Unified Modeling Language, Software Development Life Cycle, Models and Methodologies, Quality Assurance and Improvement, and the basics of tools used for application development such as requirement management tools, version control, modeling, and defect tracking.

CMP 561: Design and Analysis of Algorithms (3)

Prerequisite: CMP 220 or CMP 330

This course provides a survey of computer algorithms, examines fundamental techniques in algorithm design and analysis, and develops problem-solving skills required in all programs of study involving computer science. Topics include advanced data structures, recursion and mathematical induction, algorithm analysis and computational complexity, sorting and searching, design paradigms, and graph algorithms. Advanced topics include randomized algorithms, information retrieval, string and pattern matching, and computational geometry.

CMP 562: Computer Networks (3)

Prerequisite: CMP 270

This course examines data communication and computer networks. Topics include interconnection of networks, network hardware and software, reference models, data communication services and network standardization; the OSI and the Internet (TCP/IP) network models; encoding digital and analog signals, transmission media, protocols; circuit, packet, message, switching techniques, internetworking devices, topologies; routing algorithms, routers, switches, bridges, addressing and names; LANs/WANs, Ethernet, IP, TCP, UDP; the application layer protocols: HTTP, TELNET, SMTP, FTP, and SNMP; cloud computing architectures; and the domain name services. The course covers each network layer in details, starting from the physical layer towards the application layer, and includes an introduction to network security topics.

CMP 570: Enterprise Information Systems (3)

Prerequisite: CMP 550 or CMP 556

This course provides a process-oriented view of the organization and its relationships with suppliers, customers, and competitors. The topics covered include: processes as vehicles for achieving strategic

objectives and gaining a competitive advantage and transforming the organization; process analysis, design, implementation, control and monitoring; processes as a means of achieving compliance; impact of processes on work and work practices; the role and importance of management; the role of enterprise resource planning (ERP), supply chain management (SCM) systems, and customer relationship management (CRM) systems; the process continuum: from structured to unstructured processes; the role of systems in transforming organizations and markets; outsourcing, offshore management, acquisition management and global perspectives.

CMP 571: Automata and Formal Languages (3)

Prerequisite: None

This course introduces the fundamental concepts in automata theory and formal languages including grammar, finite automaton, regular expressions, formal language, pushdown automaton, and Turing machines. This course covers properties of these models and various rigorous techniques for analyzing and comparing them using both formalism and examples.

CMP 573: Compiler Construction (3)

Prerequisite: CMP561

This course provides an introduction to compiler construction and covers stages of compilation including lexical analysis, parsing, code generation and code optimization, formal translation of programming languages, program syntax and semantics, finite state recognizers and regular grammars, context-free parsing techniques, attribute grammars syntax-directed translation schema, type checking, code generation, data flow analysis and code optimization.

CMP 582: Computer Graphics (3)

Prerequisite: CMP 561

This course is mainly a study of the design of graphic algorithms. Topics covered include graphics devices and graphics software, 2D primitives such as lines and curves, algorithms for drawing 2D primitives, polygons, scan conversion and other fill methods, primitives attributes, filtering and aliasing, geometric transformations in 2D in homogeneous coordinates, viewing pipeline, hierarchical graphics modeling, the graphics user interfaces, input functions and interaction modes, 3D graphics: object representations through polygonal methods, spline techniques, and octrees, 3D transformations and the 3D viewing pipeline, and algorithms to detect the visible surfaces of a 3D object in both the object space and the image space.

CMP 583: Computer Animation (3)

Prerequisite: CMP 561

This course covers computer animation. Topics covered include character animation techniques : key-frame animation, inverse kinematics, facial animation, pd-control, flocking, crowd simulation; motion capture technologies: optical, magnetic, mechanical, gyro-sensors; interpolating values; interpolation-based animation; kinematic linkages; motion capture, physically based animation; fluids: liquids and gases; modeling and animating human figures; facial animation; behavioral animation; special models for animation and using commercial 3-D computer animation packages to create digital artistic works and visualizations.

CMP 584: Human-Computer Interface Design (3)

Prerequisite: CMP 561

This course examines some design issues for HCI. Topics covered include: the design of dialogues for interactive systems; widgets, windows, and input devices; client-server model; event-driven programming and callbacks; windowing systems and dialog control; psychological, physiological, linguistic, and perceptual factors; advantages and disadvantages of various interaction techniques, command language syntaxes, and data presentation; and design methodology and guidelines.

CMP 585: Design of Interactive Multimedia (3)

Prerequisite: None

Internship / CPT Qualified

This course examines the design of interactive multimedia. The topics covered include: multimedia development and theory concepts, hardware components, platforms, authoring tool; the scientific, technical, and cognitive foundations of various media including text; sound, graphics, and video; interface design.

CMP 586: Computer Vision (3)

Prerequisite: CMP 582

Internship / CPT Qualified

Topics covered in this course include: image formation, light and shading, color, linear filters, local Image features, texture, stereopsis, structure from motion, segmentation by clustering, grouping and model fitting, tracking, registration, smooth surfaces and their outlines, range data, learning to classify, classifying images, detecting objects in images, image-based modeling and rendering, looking at people, and image search and retrieval.

CMP 587: Game Design and Programming (3)

Prerequisite: CMP 582

Internship / CPT Qualified

This course provides an in depth study of the tools and techniques used in computer game design and development. Topics covered in this course include: games and video games, design components and processes, game concepts, game worlds, creative and expressive play, character development, storytelling and narratives, user interfaces, gameplay, core mechanics, game balancing, genre of games: action, strategy, adventure, and sports games, role-playing, vehicle simulations, online games, and artificial life and puzzle Games.

CMP 588: Special Topics in Computer Animation and Gaming (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover topics of current interest including emerging topics and technologies in computer animation and gaming. Topics will be announced before each semester.

CMP 589: Computer Graphics and Animation Capstone Project (3)

Prerequisite: All core and four specialization elective courses

This course consists of a capstone project that integrates and applies concepts previously studied. Best practices and appropriate technologies to design, and implement graphics and animation programs are explored, including emerging trends.

CMP 591: Graduate Internship Level I (3, 135 contact hours)

Prerequisite: All core courses and/or Dean's approval (plus one specialization elective course for MCS & MIS Program students)

This course represents an opportunity for students receive academic credit through supervised practical training and earn industry experience in an actual work environment. The internship course guides the learning contract established in the beginning of the term, on which students have to report at the end of term. Students are expected to work at least 135 hours per semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

CMP 593: Security Policy, Law, and Ethics (3)

Prerequisite: None

This course is a study of policy, laws and ethics related to information assurance. The information security responsibilities of major domestic and international agencies (such as the NIST, FBI, NSA) are studied. The topics covered include: issues involving information security management within an organization, appropriate organizational policy, plans, and implementation strategies. The course also covers ethical

issues, such as monitoring employee computer usage in the workplace, and ethical usage of consumer data.

CMP 594: Risk Management and Disaster Recovery Planning (3)

Prerequisite: None

This course focuses on the identification of threats, risks and vulnerabilities in enterprise information systems, as well as disaster recovery planning for business continuity. The course also examines the safeguards and policies necessary to meet the requirements for the protection of data in enterprise systems. The topics covered include: gap analysis, gap closure and countermeasures, disaster recovery planning, incidence response, emergency response, event management, recovery time and recovery point objectives (RTO and RPO), and business continuity planning.

CMP 598: Special Topics in Information Assurance (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover topics of current interest, emerging topics and technologies in information assurance selected by the faculty. Topics will be announced before each semester.

CMP 599: Information Assurance Capstone Project (3)

Prerequisite: All core courses and four specialization courses

This course consists of a capstone project that integrates and applies concepts previously studied. Best practices and appropriate technologies to design, implement, manage, evaluate, and further improve information assurance are explored, including emerging trends and their potential effect on information security and assurance.

CMP 602: Network Design and Implementation (3)

Prerequisite: CMP 562

This course focuses on the diverse quality of service (QoS) requirements associated with different types of data, application and business, and on designing networks and communication systems appropriately to ensure the high performance requirements that meet the business needs of an organization. Topics covered include: the specific quality of service requirements for different scenarios, the metrics for measuring quality of service, and the factors which affect the performance of a network, including the actual network design and choice of technologies, as well as the extend, patterns and mix of traffic types present. There is particular emphasis on: congestion control, traffic analysis and patterns, performance prediction and network simulation, evaluation of network performance, security, and their manageability.

CMP 603: Network Management (3)

Prerequisite: CMP 558

Internship / CPT Qualified

This course studies network management including configuration, performance, fault diagnosis and security management. The course has a strong focus and emphasize on security management. Topics covered include: LAN and WAN network management, configuration, fault detection, security, performance, risk assessment and accounting management. The course also emphasizes problem-solving techniques and network management tools based on SNMP.

CMP 604: Cloud Computing (3)

Prerequisite: CMP 558

Internship / CPT Qualified

Cloud computing has become ubiquitous with many enterprises leveraging the World Wide Web to fulfill various computing needs using a number of models: SaaS, PaaS and IaaS. The topics covered in this course include: origin, enabling technology and key concepts in cloud computing; the unique set of problems and challenges in developing cloud computing applications; the platform, tools, technologies and processes for developing cloud computing applications using an example platform such as Hadoop; and proposing, developing, and running applications for the platforms covered.

CMP 608: Special Topics in Computer Networks (3)

*Prerequisite: Dean's approval
Internship / CPT Qualified*

This course will cover topics of current interest, specifically emerging topics and technologies in computer networking selected by the faculty. Topics will be announced before each semester.

CMP 609: Networking Capstone Project (3)

Prerequisites: All core courses and four specialization courses

This course consists of a capstone project that integrates and applies concepts previously studied. Best practices and appropriate technologies to design, implement, manage, evaluate, and further improve networks are explored; including emerging trends and their potential effect on networking.

CMP 610: Managing Information System Development (3)

Prerequisite: CMP 552 or CMP 553

This course overviews the processes, methods, and techniques to plan, analyze, and design complex Information Systems, within selected existing frameworks. It involves planning, gathering requirements, modeling business needs, creating blueprints for building the system, and managing and organizing resources in these challenging, difficult, complex and expensive activities.

CMP 611: Global Information System Development (3)

Prerequisite: CMP 552 or CMP 553

Internship / CPT Qualified

This course focuses on the organization of development projects in the global service marketplace, based on key considerations and best practices in outsourced and offshore development. Students learn the most important issues and practices for both clients and service providers. Topics include legal, economic, cultural and intellectual property issues; 24-hour development; strategic division of labor; quality and process standards, and global human resources.

CMP 612: IT Project Management (3)

Prerequisite: None

Internship / CPT Qualified

This course provides an in-depth study of project and change management. The topics covered include: managing projects within an organizational context, including the processes related to initiating, planning, executing, controlling, reporting, and closing a project; project integration, scope, time, cost, quality control, and risk management; software size and cost estimation; monitoring progress; version control; assigning work to programmer and other teams; change management, managing the organizational change process; identifying project champions, working with user teams, training, and documentation; the change management role of the IS specialist; the use of sourcing and external procurement; and contracts and managing partner relationships.

CMP 613: Technology and Development of E-Business (3)

Prerequisite: None

Internship / CPT Qualified

This course addresses the technological structure, architecture, development tools, and methods for constructing such web-based applications. It includes a project to develop an interactive web-based transaction processing system. With the emergence of e-Business, organizations are adapting their transaction processing systems to use web technology. Such systems may operate as Intranet applications within the business, as Extranet applications between the firm and its business partners, or to provide access to customers via the Internet.

CMP 614: Management Information Systems in Supply Chain Management (3)

Prerequisite: None

Internship / CPT Qualified

This course explores the following topics: Integrating information systems technology in manufacturing environments; the role of information systems in supporting manufacturing decision-making processes; manufacturing imposed issues in information processing; and emerging information systems technology affecting manufacturing operations.

CMP 618: Special Topics in Software Applications Development (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover topics of current interest, specifically emerging topics and technologies in software applications development selected by the faculty. Topics will be announced before each semester.

CMP 619: Software Applications Development Capstone Project (3)

Prerequisite: All core courses and four specialization courses

This course consists of a capstone project that integrates and applies concepts previously studied. These concepts include best practices and appropriate technologies to analyze, design, implement, test, evaluate, and further improve software applications development as well as emerging trends.

CMP 620: Information Technology Governance (3)

Prerequisite: None

Internship / CPT Qualified

This course presents an integrated approach to information technology (IT) governance. It discusses major roadmaps components and IT Governance strategies and frameworks. Topics include strategic alignment of IT with the business, use of assets and resources, delivering on plans and commitments, establishing and/or improving accountability of constituents, managing risk and contingencies, audits, compliance, performance measures and organizational maturity.

CMP 621: Artificial Intelligence (3)

Prerequisite: None

This course provides overview of the main thrusts in artificial intelligence, starting with the historically symbolic, logic-based approaches to knowledge representation, planning, reasoning and learning, leading into more recent directions of statistics-based probabilistic approaches (such as Bayesian approaches, belief nets, probabilistic reasoning, etc.). This course also touches on more recent developments in natural language processing, visual processing, robotics, machine learning, and philosophical foundations. This course covers search, constraint satisfaction, knowledge representation, probabilistic models, machine learning, neural networks, vision, robotics, and natural language understanding.

CMP 622: Database Management Systems II (3)

Prerequisite: CMP 556

This course covers file structures, indexing, hashing, algorithms for query processing and advanced normalization and denormalization, query optimization, database security, privacy, introduction to data mining and data warehousing, information retrieval, object-relational databases and XML, database performance tuning, spatial and temporal databases, advanced transaction processing and an introduction to distributed databases, introduction to big data and Hadoop, and database administration using Oracle.

CMP 624: Data Warehousing (3)

Prerequisite: CMP 556

This course examines the technical skills required to design, implement, and maintain a data warehouse using a DBMS such as Oracle Warehouse Builder. It covers basic data warehousing concepts, data warehousing system design and implementation, gathering data from primary data sources, transforming data, and loading data (ETL) into a DBMS. Students learn how to create a cube using OLAP and analyze cube data using client applications, the typical data warehouse components and architecture.

CMP 625: Text Analytics (3)

Prerequisite: CMP 556

This course covers the querying of unstructured textual data, statistical, syntactical, and logical analysis of natural language, thesaurus and dictionary systems, web corpus construction and web corpora, searching strategies and cataloguing, and large-scale file structures.

CMP 626: Distributed Databases (3)

Prerequisite: CMP 556

This course exclusively focuses on the design and system issues related to distributed database systems. Topics covered include distributed database architectures, design strategies for distributed databases, federated databases, query processing techniques and algorithms, transaction management and concurrency control concepts as well as reliability and fault tolerance mechanisms are used in such systems. Design and implementation issues related to multi-database systems are discussed as well.

CMP 627: Data Mining (3)

Prerequisite: CMP 556

Internship / CPT Qualified

This course is an introductory course on data mining. It covers concepts, algorithms, and applications in data warehousing and online analytical processing, mining frequent patterns and association rules, classification and predication, and cluster analysis, implementations and applications of mining sequential and structured data, stream data, text data, Web data, spatiotemporal data, biomedical data and other forms of complex data.

CMP 628: Special Topics in Data Management (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course covers advanced classification methods, cluster analysis, advanced cluster analysis, outlier detection, text analytics, big data and mining trends. It also covers emerging trends, research and developments in data management including data mining, data warehousing, text analytics, and big data. Topics will be announced before each semester.

CMP 629: Data Management Capstone Project (3)

Prerequisite: Completion of the all Core and four specialization courses

This course consists of a capstone project that integrates and applies concepts previously studied. Best practices and appropriate technologies to design, implement, manage, evaluate, and further improve databases are explored, including emerging trends and their potential effect on data management.

CMP 630: Network Security Audit & Forensics (3)

Prerequisite: CMP 550 or CMP 562

Internship / CPT Qualified

This course examines computer network forensics. The topics covered include digital evidence concepts relating to a digital crime scene; the identification, preservation, collection, examination, analysis, and presentation of evidence for prosecution purposes; network forensics investigative methodology (OSCAR); sources of network-based evidence; evidence acquisition, packet analysis, statistical flow analysis, and wireless network forensics; network intrusion detection and analysis, event log aggregation, correlation and analysis; and malware forensics. The course also studies auditing and compliance requirements and standards, strategies for achieving and maintaining the same, and the laws and ethics related to computer forensics and challenges in computer forensics.

CMP 632: Requirements Engineering (3)

Prerequisite: CMP 560

The course is an introduction to requirements engineering. The topics covered in this course include domain understanding and requirements elicitation, requirements evaluation, requirements specification and

documentation, use of diagrammatic notations, requirements quality assurance through inspections, reviews, validation and verification, requirements evolution, goal-orientation in requirements engineering, modeling system objectives with goal diagrams, risk analysis on goal models, modeling conceptual objects with class diagrams, modeling system agents and responsibilities, modeling system operations, modeling system behaviors, integrating multiple system views and a goal-oriented model-building method in action.

CMP 635: Software Quality and Process Improvement (3)

Prerequisite: CMP 560

Internship / CPT Qualified

This course is a study of software quality and software process improvement techniques. The topics covered in this course include: software reliability, software quality, verification and validation, ISO 9126 (quality characteristics), ISO 9000 software quality standard, Capability Maturity Models Integration (CMMI) 1 to 5; the Personal Software Process (PSP); and the Team Software Process (TSP) that covers: leadership, teams and team motivation, building teams, managing to plan, maintaining product focus, following the process, managing quality, management support, reporting to management, protecting the team, developing the team, developing team members, and improving team performance.

CMP 636: Trends in Software Applications Development (3)

Prerequisite: CMP 632

The course covers the development of software applications using new paradigms and architectural styles as well as well-known paradigms. Topics covered in this course include: Component Based Software Engineering (CBSE): Domain engineering and Component-Based Design, Component Qualification, Component Adaptation, Component Composition and Component Update, the V-Model, the object models: OMG/CORBA, COM/DCOM, JavaBeans, CCM, Testing; Web Service (WS); Service-oriented architecture (SOA): benefits, design concept, principles, types, WS protocols, Programmatic Service Contract, Network Management Architecture, benefits and Challenges, SOA Extensions: SOA, Web 2.0, Services over the Messenger, Mashups, Digital Nervous Systems, etc.

CMP 637: Software Engineering Management (3)

Prerequisite: CMP 560

This course is a study of software engineering management issues. The topics covered in this course include: software project planning, project goals and objectives, project policies and standards, process planning, project assumptions and forecasts, project deliverables, project staffing, effort, schedule, and cost estimation, resource allocation, quality management and project plan/budget development and management; risk management: risk management concepts, risk management process, risk management tools, organizational risk management and joint supplier/customer risk management; software project organization and enactment: project organization, project directing, project control, reporting and supplier contract management; review and evaluation; determining closure and closure activities; software engineering measurement: establish and sustain measurement commitment, plan the measurement process, perform the measurement process, and evaluate measurement; and engineering economics: engineering economics fundamentals, for-profit decision-making, not-for-profit decision-making, estimation, risk, and uncertainty and multiple attribute decisions.

CMP 639: Software Engineering Capstone Project (3)

Prerequisite: Completion of the all core and four specialization courses

This course consists of a capstone project that integrates and applies concepts previously studied. It includes the best practices and emerging topics and technologies in software engineering.

CMP 640: Decision Support and BI (3)

Prerequisites: CMP 556

Internship / CPT Qualified

This course is an introduction to decision support and Business Intelligence. These topics are combined with practical examples and methods from the real world. The topics covered in this course include: decision

making, systems, modeling, and support, decision support systems concepts, methodologies, and technologies, modeling and analysis, business intelligence, data warehousing, data mining for business intelligence, business performance management, and text and web mining, collaboration, communication, group support systems, knowledge management, artificial intelligence and expert systems, and management support systems.

CMP 641: Operating Systems (3)

Prerequisite: CMP 260

This course discusses the design and implementation of computer operating systems. Topics include operating system structures, functions of the kernel, process management, central processing unit scheduling, deadlocks, memory management, input/output, file system facilities, concurrent processes, security, and integrity.

CMP 643: Database Security and Data Protection (3)

Prerequisite: CMP 556 or CMP 553

Internship / CPT Qualified

This course examines defense-in-depth strategies for securing database which are constantly under threat especially from SQL injection and other forms of attacks. It also covers mechanisms for securing data at rest and in transit. The topics covered in this course include: current protocols for the secure exchange of data; the Data Encryption Standard and the Advanced Encryption Standard and secure mechanisms for communication; the Public Key Infrastructure (PKI) and the use of digital signatures and certificates for protecting and validating data; firewalls, VPN, IDS/IPS, PKI, patch management, authentication and password security, application security, granular access control, securing database-to-database communications, encryption, privacy, fault tolerance, protection of personal identifiable information (PII), regulations and compliance (SOX, HIPAA, GLBA, etc.), logging, auditing and auditing architectures. Strategies for the physical protection of information assets are also studied.

CMP 644: Intrusion Detection and Prevention Systems (3)

Prerequisite: CMP 558

The course studies the theory and implementation of intrusion detection and prevention systems. The topics covered in this course include network-based, host-based, and hybrid intrusion detection; intrusion prevention; attack pattern identification; deployment; response; surveillance; damage assessment; data forensics; attack tracing; system recovery; and continuity of operation (COP). The course also examines penetration testing methodologies, planning and scheduling; vulnerability analysis; penetration testing deliverables and documentation.

CMP 645: Security Management (3)

Prerequisite: CMP 558

Internship / CPT Qualified

This course focuses on the managerial aspects of information security and assurance. The topics covered in this course include planning for security and contingencies, information security policy, developing the security program, security management models and practices, risk management, protection mechanisms, personnel and security, law and ethics.

CMP 647: Wireless and Mobile Security (3)

Prerequisite: CMP 558

Internship / CPT Qualified

This course is a study of the wireless and mobile security. The topics in this course include: encryption and cryptographic protocols for wireless and specifications needed for 3GPP: AES, KASUMI, public-key and elliptic curve cryptography, MIMO/OFDMA-based for 4G systems such as Long Term Evolution (LTE), Ultra Mobile Broadband (UMB), Mobile WiMAX or Wireless Broadband (WiBro); intrusion detection systems against worm/virus cyber-attacks; secure routing; authentication on wireless networks; security for handheld devices; real-time wireless security; and security measures for embedded devices.

CMP 648: Special Topics in Cybersecurity (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover topics of current interest, emerging topics and technologies in Cybersecurity selected by the faculty. Topics will be announced before each semester.

CMP 649: Cybersecurity Capstone Project (3)

Prerequisite: All core and four specialization courses

This course consists of a capstone project that integrates and applies concepts previously studied. Best practices and appropriate technologies to design, implement, manage, evaluate, and further improve network security are explored; including emerging trends and their potential effect on cybersecurity.

CMP 650: Software Design and Construction (3)

Prerequisite: CMP 560

Internship / CPT Qualified

This course is an in-depth study of software design and construction. The topics covered in this course include: software design fundamentals; key issues in software design such as concurrency, control and handling of events, distribution of components, error and exception handling and fault tolerance, interaction and presentation, data persistence; architectural structures and viewpoints, architectural styles (macro architectural patterns), design patterns (micro architectural patterns), human computer interface design, families of programs and frameworks; software design quality analysis and evaluation; software structural descriptions (static) and behavioral descriptions (dynamic); software design strategies and methods: general strategies, function-oriented (structured) design, object-oriented design, heuristic methods, formal methods, Component-Based Design (CBD) and SOA; software construction fundamentals: minimizing complexity, anticipating change, constructing for verification, standards in construction; managing construction, construction methods, construction planning, construction measurement; and practical considerations: construction design, coding, construction testing, construction quality and integration.

CMP 651: Advanced Topics in Database Management (3)

Prerequisite: CMP 556

Internship / CPT Qualified

This course provides an in-depth study of new developments in database systems and intelligent information systems. The course covers internet databases, data warehousing and online analytical processing, object-relational, object-oriented, and deductive databases. Formal semantics of relational database and systems, physical database tuning, advanced issues in query optimization and transaction processing, advanced database facilities such as triggers and materialized views, query caching, and database mediation.

CMP 652: Natural Language Processing (3)

Prerequisites: CMP 561 and CMP 621

The course examines various issues relating to natural language processing. The topics covered in this course include: state of the art in natural language processing (parsing and semantic understanding); formal, context-free, and transformational grammars and parsing; augmented transition networks: problems of complexity, semantics, and context; and deterministic parsing and semantic parsing.

CMP 653: Machine Learning (3)

Prerequisite: CMP 621

This course provides an introduction to machine learning and statistical pattern recognition. Topics covered include: supervised learning: generative and discriminative learning, parametric and non-parametric learning, neural networks, and support vector machines; unsupervised learning: k-means clustering, kernel methods, dimensionality reduction; learning theory: bias and variance tradeoffs, and large margins; and adaptive control and reinforcement learning. The course also discusses recent applications of machine

learning such as speech recognition, text and web data processing, robotics, autonomous navigation, bioinformatics, and data mining.

CMP 654: Adaptive Learning Systems (3)

Prerequisite: CMP 621

Internship / CPT Qualified

This course is a study of adaptive learning as an alternative to rule-based schemes for artificial intelligence. The topics covered in this course include: expert systems, fuzzy methods, neural net architectures, and genetic algorithms are examined and compared.

CMP 655: Intelligent Agents (3)

Prerequisite: CMP 621

Internship / CPT Qualified

This course discusses multi-agent systems concepts, theories, and applications. The topics in this course include: introduction to multi-agent systems (MAS), negotiation in MAS, agent learning, agent communication language (ACL), applications of MAS with examples, agent architectures, agent model and theory, coordination in MAS, agent oriented software engineering techniques, agent oriented programming, agent and grid computing and classification of agents.

CMP 658: Special Topics in Intelligent Systems (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover topics of current interest, emerging topics and technologies in machine intelligence and cognitive science. Topics will be announced before each semester.

CMP 659: Intelligent Systems Capstone Project (3)

Prerequisite: All core and four specialization courses

This course consists of a capstone project that integrates and applies concepts previously studied. Best practices and appropriate technologies to design, implement, manage, evaluate, and deploy MAS are explored; including emerging trends.

CMP 660: Issues and Trends in Software Engineering (3)

Prerequisite: CMP 560

This course will consider ethical issues relating to various aspects of software development and design. By utilizing case studies students will examine and discuss various topical situations in the realms of information acquisition, access, stewardship, software licensing, intellectual property, safety and reliability.

CMP 661: Software Testing (3)

Prerequisites: CMP 561 and CMP 650

Internship / CPT Qualified

This course examines software testing issues in software engineering. The topics covered include program testing theory, unit testing, control flow testing, data flow testing, domain testing, system integration testing, system testing categories, functional testing, test generation from a Finite State Machine (FSM), system test design, system test planning and automation, system test execution, acceptance testing, and test team organization, and the IEEE standards for software testing and documentation.

CMP 662: Software Maintenance & Configuration Management (3)

Prerequisite: CMP 650

Internship / CPT Qualified

This course is an in-depth study of software maintenance & configuration management issues. Topics covered include software maintenance fundamentals; key issues in software maintenance: technical, management issues, maintenance cost estimation and software maintenance measurement; the maintenance process; techniques for maintenance; management of the configuration management (CM) process; configuration identification; configuration control; configuration status accounting and software release management and delivery.

CMP 663: Web Applications Development (3)

Prerequisite: CMP553 or CMP561

Internship / CPT Qualified

This course overviews the processes and techniques for developing software for web applications. The concepts of client-server computing in e-commerce theories of usable graphical user interfaces and models for web-based information retrieval and processing are covered. Students study approaches for evaluating and using various common software tools and languages.

CMP 664: Mobile Applications Design and Development (3)

Prerequisite: CMP553 or CMP561

Internship / CPT Qualified

This course looks at the quickly developing landscape of mobile applications. It focuses on Web-based mobile applications, and thus covers issues of Web service design, mobile platforms, and the specific constraints and requirements of user interface design for limited devices. The course combines a conceptual overview, design issues, and practical development issues.

CMP 665: Virtualization Technologies (3)

Prerequisites: CMP 558 and CMP 641

Internship / CPT Qualified

This course is a study of the virtualization concepts and technologies. The topics covered in this course include virtualization concepts, creating and building virtual machines, deploying virtual workstation software, building guest operating systems, constructing a test environment, partitioning servers, managing virtual servers remotely, data center virtualization, implementing remote management tools, securing virtual machine deployments, and reducing the attack surface. The course emphasizes a hands-on approach to virtualization.

CMP 666: Healthcare Economics (3)

Prerequisite: None

Internship / CPT Qualified

This course examines the economic aspects of healthcare systems. Healthcare is studied as a commodity that has supply and demand dimensions. Microeconomic methods are used to study markets and resources in health care. The topics studied include: demand for health and medical care services, provider behavior, and function and behavior of insurance markets, government role, financing arrangements, insurance reform, rationing, price regulation, and provider competition. Case studies are used to understand the economic efficiency of example health care systems such as the U.S. health system, the UK National Health Service, etc.

CMP 667: Biostatistics (3)

Prerequisite: None

This course examines the fundamental statistical issues in the design of clinical research studies. Its primary emphasis is on understanding the design and analytical methods of clinical research from a statistical perspective. The topics studied include: exploratory data analysis, basic concepts of statistical analysis, construction of hypothesis tests and confidence intervals, the development of statistical methods for analyzing data, development of mathematical models used to relate a response variable to explanatory or descriptive variables, and an introduction to statistical analysis of microarray and genomic studies.

CMP 668: Special Topics in Health Informatics (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover topics of current interest, emerging topics and technologies in Health Informatics selected by the faculty. Topics will be announced before each semester.

CMP 669: Software Engineering Project (3)

Prerequisite: CMP 610, and CMP 650

Internship / CPT Qualified

This course provides experience in applying software-engineering techniques by giving the students an opportunity to produce software when working in teams under the schedule constraints commonly experienced in industry. Students utilize a software engineering methodology in a team environment in a real-world application. They are involved in all the phases of software development, including project planning, requirements analysis, design, coding, testing, configuration management, quality assurance, documentation, and delivery.

CMP 670: Legal, Ethical and Social Issues in Healthcare (3)

Prerequisite: None

The course examines the legal principles, statutes, regulations, and case law related to managing health care organizations and health professionals' practice. It also examines the ethical, and social issues arising in the use of computerized information systems in the delivery of healthcare. Case studies are used to discuss the role of law in the design and implementation of health informatics systems; the U.S. healthcare regulatory environment; and the structure, concepts, and process of decision making on health matters in legislative, administrative, and judicial bodies. Legal health care issues from international perspectives are also studied.

CMP 671: Special Topics in Computer Science (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

Students may choose to further study the topics in the Computer Science field. Topics can be taken from the domain of Computer Science and should be of significance with respect to the computer science industry. The work can include literature survey, lectures/discussions with assigned faculty, project work, and detailed reports.

CMP 672: Special Topics in Information Systems (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

Students may choose to study the topics further that are in accordance to the MIS program and their interests. Topics can be taken from the domain of information technology and should be of significance with respect to the information technology industry. The study work can comprise literature survey, lectures/discussions with assigned faculty, project work, and detailed reports.

CMP 673: Special Topics in Software Engineering (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover emerging topics and technologies in information technology selected by the faculty and should be of significance with respect to the software engineering industry. The study work can comprise literature survey, lectures/discussions with assigned faculty, project work, and detailed reports. Topics will be announced before each semester.

CMP 674: Special Topics in Information Technology (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover emerging topics and technologies in software engineering selected by the faculty and should be of significance with respect to the software engineering industry. The study work can comprise literature survey, lectures/discussions with assigned faculty, project work, and detailed reports. Topics will be announced before each semester.

CMP 675: Knowledge Management & the Learning Organization (3)

Prerequisite: None

Internship / CPT Qualified

In today's increasingly competitive business environments, where new business practices and products are regularly introduced, organizations need to be innovative to survive. Knowledge management has been recognized as essential for achieving business success and maintaining an organization's competitiveness. This course explores the concept of knowledge and the means by which organizations seek to manage it through formal technological practices and informal social systems. The topics covered include: organizational strategy and knowledge: managing enterprise intelligence, assessing the strategic value of human capital; facilitating knowledge work flows: knowledge based systems for capturing, storing and distributing explicit and tacit knowledge; data governance; and learning and sharing knowledge: group learning, organizational learning, and knowledge transfer through communities of practice (COP).

CMP 676: Digital Document Analysis (3)

Prerequisite: None

Internship / CPT Qualified

With the ubiquitous use of computer technology and the worlds of paperwork and the web become ever more interdependent, it is becoming increasingly crucial for organizations to find a way to ensure capability, efficiency and security across the totality of their operations by managing the documents properly. This course examines the key issues in document management. The topics covered include: the best practices document management procedures based on ISO standards, application of industry-standard risk management principles related to document control, industry tools and techniques that optimize and streamline project document management, document management systems: capturing paper documents and other digital assets and providing secure storage, document privacy, easy retrieval and archiving, lifecycle administration, and record management.

CMP 678: Special Topics in Knowledge Management (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course will cover topics of current interest, emerging topics and technologies in knowledge management selected by the faculty. Topics will be announced before each semester.

CMP 679: Knowledge Management Capstone Project (3)

Prerequisite: All core and four specialization courses.

This course consists of a capstone project that integrates and applies concepts previously studied. Best practices in knowledge management; including emerging trends and their potential effect on knowledge management.

CMP 680: Organizational and Social Dimensions of Computing (3)

Prerequisite: None

This course discusses the organizational impact and the social implications, rights and duties related to the actions of computing professionals. It investigates the context in which professionals work, the laws and how they are created, human aspects of running a company, software contracts and liability, intellectual property rights, and the legislation that affects the way in which computers are used or misused. Topics include social, legal, financial, organizational and ethical issues in the context of the information technology industry; the role of professional codes of conduct and ethics; and, key legislation.

CMP 681: Enterprise Analytics (3)

Prerequisite: CMP 556

This course examines key issues relating to how an organization can optimize performance, processes, and decisions through big data. The topics covered include: decision making, systems modeling and analysis; decision support systems: concepts, methodologies, and technologies; business intelligence, data warehousing, data mining for business intelligence, return on investments in analytics, business performance management, text and web mining, collaboration, communication, group support systems, knowledge management, applying analytics at production scale, predictive analytics in the Cloud, analytical technology and the business user, organizing analysts, engaging analytical talent, analytics governance, and building a global analytical capability.

CMP 682: Big Data Analytics (3)

Prerequisite: CMP 556

Internship / CPT Qualified

This course aggregates several key technologies used in manipulating, storing, and analyzing big data. Over the years there has been an accumulation of very large volumes of structured, mostly relational data which has been mined using data warehousing technology for marketing, financial decision making and to gain a competitive advantage. The recent explosion of social media and the ubiquitous usage of computers have created the so called big data which mostly consists of unstructured data in the form of e-mails, web logs, videos, tweets, speech, photographs, and others. The topics covered include: a study of Hadoop and related tools that provide SQL-like access to unstructured data; Hive and Pig; analysis of NoSQL storage solutions like HBase, Oracle NoSQL and Cassandra, for their critical features: speed of reads and writes, data consistency, and ability to scale to extreme volumes; memory resident databases and streaming technologies; statistical analysis methods; and open source frameworks such as Mahout and Open R and other statistical tools. The main goal is to discover intelligence that could represent opportunities, and/or threats in a limited amount of time.

CMP 684: Management Decision Modeling (3)

Prerequisite: None

Internship / CPT Qualified

This course examines quantitative analysis for management. The topics covered include: probability concepts and applications, decision analysis, regression models and forecasting, inventory control models, linear programming models, transportation and assignment models, integer programming, goal programming, and nonlinear programming, network models, project management, queuing theory models, simulation modeling, Markov analysis, and statistical quality control.

CMP 685: Advanced Big Data Analytics (3)

Prerequisites: CMP 682

Internship / CPT Qualified

This course discusses advanced topics in big data analytics. The topics covered include: K-Means clustering, association rules, linear and logistic regression, Naïve Bayesian classifier, decision trees, time series analysis, text analysis, using *mapReduce*, Hadoop ecosystem tools, in-database analytics, and advanced SQL techniques.

CMP 688: Special Topics in BI & Data Analytics (3)

Prerequisite: Dean's approval

Internship / CPT Qualified

This course covers emerging trends, research and developments in BI and big data analytics. Topics will be announced before each semester.

CMP 689: BI & Data Analytics Capstone Project (3)

Prerequisite: All the core and four specialization courses.

This course consists of a capstone project that integrates and applies concepts previously studied. Best practices and appropriate technologies for BI and big data analytics, including emerging trends and their potential effect on BI and big data analytics, are studied.

CMP 691: Graduate Internship Level II (3, 135 contact hours) *Prerequisite: All core courses, Dean's approval (plus two specialization elective courses for MCS & MIS Program students)*

This course offers hands-on experience to students enrolled in the MIS or MCS degrees in a domain close to their main career path intentions. Students are encouraged to pursue projects that would allow them to apply engineering design concepts gained in the classroom, going through all stages of system development, from analysis and design to implementation and testing. This three (3) credit hour project internship is for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

CMP 696: Independent Study I (3)

Prerequisite: Dean's approval

This course offers opportunity and challenge of self-directive, independent study; develops the individual's ability as an independent student; and enables the student to pursue needed study in a field in which appropriate courses are not being offered during a given term.

CMP 697: Independent Study II (3)

Prerequisite: Dean's approval

This course offers opportunity and challenge of self-directive, independent study; develops the individual's ability as an independent student; and enables the student to pursue needed study in a field in which appropriate courses are not being offered during a given term.

CMP 698: Master's Thesis I (3, 135 contact hours)

Prerequisite: All core courses, academic advisor approval (plus two specialization elective courses for MIS and MCS students)

The thesis work can comprise basic research or a practical project. Students are encouraged to start their thesis work as early as possible. Usually after completing two semesters of course work, the student will be asked to work with a faculty advisor to choose a suitable master's thesis topic and prepare a thesis proposal. Thereafter, the student completes the project and writes a thesis. The master's thesis project will be conducted over a period of two semesters.

CMP 699: Master's Thesis II (3, 135 contact hours)

Prerequisite: CMP 698

CMP 699 is a continuation of the course CMP 698: Master's Thesis I. The thesis work can comprise basic research or a practical project.

COMM 110: Oral Communication Skills (3)

Prerequisite: None

This course provides the skills needed to prepare and deliver informative and persuasive speeches. Students will focus on adapting communication styles and content to diverse speakers and audiences. This course emphasizes how to compose meaningful and coherent messages; conduct research; and develop effective presentation skills. Students will be required to deliver several oral presentations in front of the class during the semester.

COMM 600: Writing & Editing the News (Introduction to News Editorial Journalism) (3)

Prerequisite: None

Internship/CPT Qualified

This course is designed to teach students the craft of basic news writing and editing. Students will learn how to recognize and acquire news information, cultivate sources, conduct effective interviews, and write balanced news and feature stories. Students will also learn how a newsroom functions and how news is evaluated for consideration and use in a given news cycle. Students enrolled in this course will acquire the basic knowledge necessary for practicing journalism and evaluating news through tested and ethically sound practices.

COMM 605: Media Ethics (3)

Prerequisite: None

Internship/CPT Qualified

This course will cover a wide variety of ethics issues ranging from fairness in the presentation of news (objectivity versus advocacy), to the problems associated with state-sponsored and managed media, to the murky world of maintaining secrecy to hide from the public potentially embarrassing information, on the one hand, and leaking information to the public to further political goals, on the other hand. The course will also look at the manipulation of photo imagery, censorship, and the invasions of privacy that are a part of routine business activities or intrusive government spying. The course will help students develop a deeper, yet clearer, understanding of the complexities involved in the often unethical media practices of governments, businesses, news, and other mass media practitioners.

COMM 610: News Editing (3)

Prerequisite: COMM 600: Writing & Editing the News
Internship/CPT Qualified

Before or after all credible journalism is the editor. This course will examine the wide-ranging role of the editor in journalism and the editing techniques that result in award-winning products. Among their many roles, editors: set the editorial calendar for the year, determine content, dictate design, assign stories, provide guidance, critique and correct stories, select illustrations, and determine story placement. Students will not only become cognizant of the work editors do, but learn what editors expect from their writers and how to deliver on those expectations.

COMM 620: Politics, Journalism, & Business (3)

Prerequisite: None

A principal subject of journalism is politics, but much of the writing about politics involves the triangular relationship between government, business, and journalists. This course will examine those relationships and demonstrate how businesses may use journalism to mediate their interests in shaping public and legislative opinion. It will also examine how government officials use media in attempts to likewise control public opinion and affect control over business activities. This course will offer students a clear and pragmatic understanding of the relationship between journalists and government, allowing students to be better positioned to derive advantages in that relationship.

COMM 625: Media Relations (3)

Prerequisite: None

Internship/CPT Qualified

This course will provide an in-depth look at news media operations with a focus primarily on using news outlets to deliver, promote, and manage key business messages. Responding effectively to news media queries and crisis communications management will be principal content elements. All major mass communications media will be covered: print, radio, television, and the Internet, with an emphasis on proactivity. (If resources permit in a particular semester, the course will include a day of media training at a Washington, DC, communications facility.) In addition to learning how to effectively respond to news media queries, students will also be able to plan, deliver, and manage media campaigns.

COMM 630: International Journalism (3)

Prerequisite: None

This course will introduce the student to varying philosophical approaches, barriers, and ethical challenges to delivering news on a global basis. Emphasis will be placed on a regional approach to the news with a focus on Western and Eastern Europe; the Middle East; Northern and Sub-Saharan Africa; East, South and Central Asia; Latin America; North America; and the U.K. There will also be some discussion of journalism education and international media controversies.

COMM 635: Mass Media & Society (3)

Prerequisite: None

Internship/CPT Qualified

The psycho-social effects of mass media are deep and varied. This course will introduce the student to the theories and structures underlying mass communications operations and how those operations affect and shape individual perceptions and social values. Additionally, the clash between traditional and emerging media is changing how news is used, disseminated, and interpreted. The media role in education, propaganda, and the formation of public opinion will be among other topics receiving emphasis in this course, which is designed in part to help students develop a better sense of how they may influence others through their own participations in traditional and emerging mass and social media outlets.

COMM 641: Media Economics (3)

Prerequisite: None

This course will provide a comprehensive introduction to the economic context and the current financial practices of mass media companies. Students will learn the economic factors that influence the success or failure of contemporary media operations, as well as the management issues relating to new product

development, the development of global markets, and the challenges of business consolidation. Differentiation will be made between the following industry categories: radio, broadcast TV, cable and satellite TV, motion pictures, music recording, newspapers, magazines, books, and Internet-based outlets.

COMM 643: US Press History (3)

Prerequisite: None

The history of the US press (and, by extension, mass media) is in many ways a history of US cultural and intellectual development. This course will examine that history and show how the press has changed and developed through varying economic, political, and technological eras. Emphasis will be placed on how news organizations have managed to survive through changing times and economic conditions, and how intellectual freedom changed with them, especially between the cyclical antipodes of war and peace.

COMM 645: The Development & Use of New Media Technology (3)

Prerequisite: None

The clash between traditional and emerging media continues to alter how information and entertainment purveyors reach their audiences, but also how audiences may become active participants in the mass communications process. The development of mass communications technology has led not only to different ways to communicate with and shape audiences, but also to different expectations by the audiences themselves. This course will introduce the student to the technologies that have formed and continue to form the basis for mass media operations, from the development of printing to the emergence and ever-expanding development of electronic media. The course will also focus on helping students to better protect their privacy and the interests of their business activities.

COMM 647: The Movies: Film & Video Criticism (3)

Prerequisite: None

Movies – produced with film, video, or hybrid techniques incorporating various types of animation – represent what is arguably the most influential contemporary medium, whether measured in terms of its influence on public opinion, politics, sociology, or sheer entertainment. This course will explore the history of the medium, the variety of its genres, and how films are made and convey meaning through scripting, production, final editing, marketing, and distribution. (Caveat: This is not a hands-on course in scriptwriting or film making.) The course will provide a comprehensive understanding of how movies are made, how to identify the intentions of movie makers, and how to critically review and evaluate movies. As part of the course, students will learn how to write and publish movie reviews.

COMM 649: Small Group & Team Communications (3)

Prerequisite: None

Most work today is accomplished through team work. That is as true for mass media organizations as it is for other business organizations. One look on any given day at a major news organization like The Washington Post makes it abundantly clear that teams of writers and editors work on a daily basis to deliver individual stories. This course will focus on the small group dynamics, team building, and structure that make such work successful.

COMP 124: Information Technology (3)

Prerequisite: None

This course introduces approaches for using information technology and the role of the computer in modern organizations, discussing hardware and software, computer application development, data processing and database systems, and the impact of computer information systems on society. Emphasis is placed on integrating information technologies into the organization to meet organizational needs. Upon completion, students should be able to understand the different approaches to information technology and be able to determine the correct approach to use in the organization.

COMP 127: Office Applications (3)

Prerequisite: None

This course provides an overview of personal computers applications. Students study widely used applications, including word processing, spreadsheets, presentation, databases, and introductory elements of web development.

ECON 101: Principles of Microeconomics (3)

Prerequisite: None

Microeconomics mainly studies the economic choices facing the individual entities, including consumers and business firms. This course covers the basic topics of economic tradeoffs, supply and demand model, concept of elasticity, consumer choice model, theories of cost and production, and the firm's behavior and performance under different market structures. The course also introduces the students to the problems of market failure and public choice, and the impacts of public policy on consumers and business firms.

ECON 102: Principles of Macroeconomics (3)

Prerequisite: None

Macroeconomics is primarily concerned with economic analysis and policy making at the national level. This course introduces the students to the basics of national income determination, measurements of inflation and unemployment rates, economic fluctuations, and economic growth. The course also covers the foundations of aggregate demand and aggregate supply, the basics of the classical and Keynesian models, the tools of fiscal and monetary policies, and an introduction to macroeconomic policy debates.

ECON 207: Intermediate Microeconomics (3)

Prerequisite: ECON 101 Principles of Microeconomics

Internship / CPT Qualified

In addition to an in-depth coverage of the core concepts covered in ECON 101, this course incorporates a number of intermediate microeconomic topics, including the general equilibrium model, game theory, and decision making under risk and uncertainty. The course applies algebra and extensive graphical analysis in presenting its main topics. It also involves problem-solving to demonstrate real-world applications of the theoretical microeconomic concepts.

ECON 208: Intermediate Macroeconomics (3)

Prerequisite: ECON 102 Principles of Macroeconomics

Internship / CPT Qualified

This course goes beyond the basic concepts presented in ECON 102 and provides an in-depth coverage of the core macroeconomic topics within an analytical framework. Furthermore, it introduces the students to a number of modern macroeconomic topics; including credit market imperfections, new Keynesian economics, the monetarist counterrevolution, and international macroeconomics. The course applies algebra and extensive graphical analysis and also involves problem-solving to demonstrate the real-world applications of its theoretical concepts.

EDMA 600: Effective Teaching and Learning for Secondary Mathematics (3)

Prerequisite: None

This course provides a comprehensive review of selected topics focusing on instructional methods and best practices in secondary mathematics education reflective of learner characteristics and learner needs. Through this course, students will explore content-specific pedagogical approaches for teaching algebra, geometry, calculus, and trigonometry. Topics for this course focus on constructivist teaching and learning, including inquiry teaching and learning, concept mapping, scaffolding, student learning styles, authentic assessment, and a variety of approaches documented as effective strategies for increasing student achievement in secondary mathematics instruction.

EDMA 605: Advanced Approaches for Teaching Secondary Mathematics (3)

Prerequisite: EDMA 600

This course provides an advanced review of selected topics and the research focusing on the methods and theory for best practices in secondary mathematics education reflective of learner characteristics and learner needs. Through this course, students will explore content-specific pedagogical approaches for teaching algebra, geometry, calculus, and trigonometry. Topics for this course focus on constructivist teaching and learning including inquiry teaching and learning, concept mapping, scaffolding, student

learning styles, authentic assessment, and a variety of approaches proven effective for increasing student achievement in secondary mathematics.

EDMA 610: Content Area Reading and Writing (3)

Prerequisite: None

This course is designed to introduce and train students on how to provide effective reading and writing instruction within their content teaching areas. As pre-service teachers, it is critical that all teachers have a strong appreciation for the importance of teaching reading to secondary students in all disciplines as well as in English and language arts classes. Cross-curricular literacy approaches are often an important catalyst in secondary students' engagement or disengagement in non-language-arts content areas and serve as a major indicator in their overall success in these classes. This course provides engagement strategies, various approaches to introducing challenging reading materials, and proven strategies for increasing literacy among secondary learners.

EDMA 620: Approaches to Assessments for Teaching & Learning (3)

Prerequisite: None

This course focuses on how to write, construct, and use assessments in the secondary classroom. The course provides a balanced approach to assessment, involving both traditional and innovative techniques. It includes the development and use of written tests, informal assessments, portfolios, and performance assessments. Prospective teachers will find this balanced approach to assessment incredibly useful once they enter the classroom. Additionally, this course provides students with the ability to review and select assessment strategies appropriate for the variety of learner characteristics commonly represented, including levels of cognition, learning styles, ability levels, and student interest, as well as culturally relevant assessment strategies. As a result, students in the course will have the ability to select and/or develop assessment strategies that motivate learners and increase the overall achievement for secondary learners.

EDMA 686: Education Practicum (6)

Prerequisite: EDUC 500, EDUC 503, EDUC 508, EDUC 511, EDUC 521, EDUC 532

Credit Hour Breakdown: 250 hours of practicum, 15 hours of seminar/lab

This course requires that all students successfully complete a 225-hour supervised field experience. Through this supervised classroom experience, students will have the opportunity to implement the theory and practical knowledge they have gained throughout the Master's program in a functioning classroom setting appropriate to the content area and/or grade level they anticipate teaching upon graduating. The supervised classroom experience course provides an opportunity to work towards a Virginia State Department of Education requirement of all Masters of Education majors. The supervised classroom experience will be documented in part through weekly submission of timesheets and bi-weekly discussion forum posts.

Another major component of the practicum course requires students to develop a Teaching Portfolio reflective of their coursework from the program, issues they have identified during their supervised classroom experience, and plans of action for resolving the identified issues supported by empirical research associated with the issue. The portfolio is a culmination of the student's program of study and encompasses content covered throughout the program. Students will present their Teaching Portfolio to the VIU campus community. Mandatory sessions designed to assist students with their Teaching Portfolio are held throughout the term.

EDSC 600: Effective Teaching & Learning for Secondary Science (3)

Prerequisite: None

This course provides a comprehensive review of selected topics focusing on instructional methods and best practices in secondary science education reflective of learner characteristics and learner needs. Through this course, students will explore content-specific pedagogical approaches for teaching biology, chemistry, earth science, and physics. Topics for this course focus on constructivist teaching and learning, including inquiry teaching and learning, concept mapping, scaffolding, student learning styles, authentic assessment, and a variety of approaches documented as effective strategies for increasing student achievement in secondary science instruction.

EDSC 605: Advanced Approaches for Teaching Secondary Science (3)

Prerequisite: EDSC 600

This course provides an advanced review of selected topics and the research focusing on the methods and theory for best practices in secondary science education reflective of learner characteristics and learner needs. Through this course, students will explore content-specific pedagogical approaches for teaching biology, chemistry, earth science, and physics. Topics for this course focus on constructivist teaching and learning, including inquiry teaching and learning, concept mapping, scaffolding, student learning styles, authentic assessment, and a variety of research approaches documented as effective strategies for increasing student achievement in secondary science instruction.

EDSC 610: Content Area Reading and Writing (3)

Prerequisite: None

This course is designed to introduce and train students on how to provide effective reading and writing instruction within their content teaching areas. As pre-service teachers, it is critical that all teachers have a strong appreciation for the importance of teaching reading to secondary students in all disciplines as well as in English and language arts classes. Cross-curricular literacy approaches are often an important catalyst in secondary students' engagement or disengagement in non-language-arts content areas and serve as a major indicator in their overall success in these classes. This course provides engagement strategies, various approaches to introducing challenging reading materials, and proven strategies for increasing literacy among secondary learners.

EDSC 620: Approaches to Assessments for Teaching & Learning (3)

Prerequisite: None

This course focuses on how to write, construct, and use assessments in the secondary classroom. The course provides a balanced approach to assessment, involving both traditional and innovative techniques. It includes the development and use of written tests, informal assessments, portfolios, and performance assessments. Prospective teachers will find this balanced approach to assessment incredibly useful once they enter the classroom. Additionally, this course provides students with the ability to review and select assessment strategies appropriate for the variety of learner characteristics commonly represented, including levels of cognition, learning styles, ability levels, and student interest, as well as culturally relevant assessment strategies. As a result, students in the course will have the ability to select and/or develop assessment strategies that motivate learners and increase the overall achievement for secondary learners.

EDSC 686: Education Practicum (6)

Prerequisite: EDUC 500, EDUC 503, EDUC 508, EDUC 511, EDUC 521, EDUC 532

Credit Hour Breakdown: 250 hours of practicum, 15 hours of seminar/lab

This course requires that all students successfully complete a 225-hour supervised field experience. Through this supervised classroom experience, students will have the opportunity to implement the theory and practical knowledge they have gained throughout the Master's program in a functioning classroom setting appropriate to the content area and/or grade level they anticipate teaching upon graduating. The supervised classroom experience course provides an opportunity to work towards a Virginia State Department of Education requirement of all Masters of Education majors. The supervised classroom experience will be documented in part through weekly submission of timesheets and bi-weekly discussion forum posts.

Another major component of the practicum course requires students to develop a Teaching Portfolio reflective of their coursework from the program, issues they have identified during their supervised classroom experience, and plans of action for resolving the identified issues supported by empirical research associated with the issue. The portfolio is a culmination of the student's program of study and encompasses content covered throughout the program. Students will present their Teaching Portfolio to the VIU campus community. Mandatory sessions designed to assist students with their Teaching Portfolio are held throughout the term.

EDSL 610: Content Area Reading and Writing (3)

Prerequisite: None

This course is designed to introduce and train students on how to provide effective reading and writing instruction within their content teaching areas. As pre-service teachers, it is critical that all teachers have a strong appreciation for the importance of teaching reading to secondary students in all disciplines as well as in English and language arts classes. Cross-curricular literacy approaches are often an important catalyst in secondary students' engagement or disengagement in non-language-arts content areas and serve as a major indicator in their overall success in these classes. This course provides engagement strategies, various approaches to introducing challenging reading materials, and proven strategies for increasing literacy among secondary learners.

EDSL 620: Approaches to Assessments for Teaching & Learning (3)

Prerequisite: None

This course focuses on how to write, construct, and use assessments in the secondary classroom. The course provides a balanced approach to assessment, involving both traditional and innovative techniques. It includes the development and use of written tests, informal assessments, portfolios, and performance assessments. Prospective teachers will find this balanced approach to assessment incredibly useful once they enter the classroom. Additionally, this course provides students with the ability to review and select assessment strategies appropriate for the variety of learner characteristics commonly represented, including levels of cognition, learning styles, ability levels, and student interest, as well as culturally relevant assessment strategies. As a result, students in the course will have the ability to select and/or develop assessment strategies that motivate learners and increase the overall achievement for secondary learners.

EDSL 686: Education Practicum (6)

Prerequisite: EDUC 500, EDUC 503, EDUC 508, EDUC 511, EDUC 521, EDUC 532

Credit Hour Breakdown: 250 hours of practicum, 15 hours of seminar

This course requires that all students successfully complete a 225-hour supervised field experience. Through this supervised classroom experience, students will have the opportunity to implement the theory and practical knowledge they have gained throughout the Master's program in a functioning classroom setting appropriate to the content area and/or grade level they anticipate teaching upon graduating. The supervised classroom experience course provides an opportunity to work towards a Virginia State Department of Education requirement of all Masters of Education majors. The supervised classroom experience will be documented in part through weekly submission of timesheets and bi-weekly discussion forum posts.

Another major component of the practicum course requires students to develop a Teaching Portfolio reflective of their coursework from the program, issues they have identified during their supervised classroom experience, and plans of action for resolving the identified issues supported by empirical research associated with the issue. The portfolio is a culmination of the student's program of study and encompasses content covered throughout the program. Students will present their Teaching Portfolio to the VIU campus community. Mandatory sessions designed to assist students with their Teaching Portfolio are held throughout the term.

EDTC 571: Instructional Technologies for Learning (3)

Prerequisite: None

This course provides an overview of the design, development, integration, and evaluation of instructional technologies and associated instructional strategies. Ethical and legal issues, communicating and accessing information, and evaluating hardware/software are reflected in course projects. This course provides students with opportunities to develop and use a wide variety of electronic resources in order to increase their understanding, knowledge, and skills with instructional technologies. This course ensures, through projects and discussions, that students are effective users of instructional technologies and are prepared to take leadership roles in various environments.

EDTC 573: Emerging and Assistive Technologies (3)

Prerequisite: EDTC 571

This course explores emerging and assistive technologies with appropriate application of learning theories. Students investigate and analyze innovative instructional technologies to determine their value in learning environments for all student populations. Assistive technology and its application within instructional programs to assist those with disabilities are examined in addition to emerging instructional technologies. Students identify, design and explore best practices associated with technology-based instruction and information as it relates to emerging and assistive technologies.

EDUC 500: Intro to Education and Educational Research (3)

Prerequisite: None

As the initial course in the Masters of Education program, this course provides students with a comprehensive understanding of public education in the U.S. Through this course students will review the inception of public education through the 21st century. Additionally, students enrolled in this course will be introduced to educational research and the role quantitative and qualitative research serves in shaping the educational landscape. Students are required to perform literature searches and conduct reviews of a variety of educational topics, demonstrating a thorough understanding of said topics, while simultaneously demonstrating their research capabilities.

EDUC 503: Educational Psychology for Secondary Students (3)

Prerequisite: None

Through this course students will be presented with critical content regarding the human growth and development process. Content for this course includes information regarding genetics, heredity, conception, gestation, birth, and early development of young children. This course will also address cognition, motor skills, and the emotional, psychological, and social development of humans. Designed specifically for secondary teachers, a great deal of this course focuses on adolescence and the physical, emotional, psychological, and sexual development middle and high school students undergo as they move from youth to young adult. Other issues addressed in this course include brain development, male and female learner characteristics, and other important findings associated with teaching youth and young adults during this major transitional period of their lives.

EDUC 508: Motivational Theory and Classroom Management (3)

Prerequisite: None

This course examines classroom-management models and theoretical and empirical approaches to classroom management. The course helps students develop appropriate classroom-management skills, including decision-making and problem solving, exploring the merits and limitations of each classroom-management model, and examines when each approach to classroom management is most appropriate. The course also presents concepts of extrinsic and intrinsic motivation; the concept of self-motivation; assertive, positive, and cooperative discipline; and examines the relationships among classroom environment, classroom behavior, and learning. In this course, students will focus on implementing interventions for preventing and managing routine and disruptive discipline problems in a practical manner to include establishing effective classroom rules and procedures, relationships, role of parents, and helping students contribute to a positive learning environment relevant to their lives.

EDUC 511: Diversity and Multicultural Education (3)

Prerequisite: None

Through this course, students will be introduced to the issue of diversity and the implications of being a diverse learner in U.S. schools. Those enrolled in the class will be provided a clear and meaningful definition of diversity, which will serve as a major component of the operational paradigm for the course. Students will also be introduced to various aspects of diversity and educated regarding the complexity and nuances of these aspects, the ideas and ideals surrounding each aspect, and how these aspects are commonly made more challenging as they intersect and are commonly combined. Students enrolled in this course will be introduced to research-based strategies for teaching in a diverse setting.

EDUC 521: Instructional Methods for Special Education (3)

Prerequisite: None

Through this course, students will have the opportunity to explore the issues surrounding teaching students with identified exceptionalities. Initial content for this course includes a review of the history of special

education, which leads to the inception of federal guidelines and practices protecting students with identified exceptionalities and ensuring equal access to education. This course provides an overview of the numerous exceptionalities currently identified and the traits and characteristics associated with each exceptionality, including intellectual, emotional, physical, social, and psychological diagnoses. Finally, this course provides students with a comprehensive understanding of their role as teachers in serving students with identified exceptionalities and provides research-based strategies for the inclusion and effective teaching of students with identified exceptionalities.

EDUC 532: Secondary Curriculum and Instruction (3)

Prerequisite: None

Through this course students will be introduced to a variety of pedagogical practices specific to teaching and learning for secondary students. Students enrolled in this course will be exposed to the two major philosophies of teaching and learning, namely teacher-centered instruction and student-centered instruction. Each of these philosophies will be independently investigated, revealing the various methods and strategies associated with each philosophy. Additionally, students will be required to demonstrate their understanding of the various approaches to teaching and learning through their development of unique and specific teaching and learning scenarios, allowing them the opportunity to implement a combination of select and appropriate methods and strategies.

EDUC 565: Contemporary Issues in Education and Assessment (3)

Prerequisite: None

The course provides a theoretical foundation and framework to promote academic rigor, relevance, and relationships that support student learning. Through this course students will explore curricula issues such as planning, implementation, and evaluation of curriculum at all levels of learning. The course comprehensively addresses philosophies of education, teaching and learning, pedagogical practices, teacher supervision, and educational policy.

Students in this course are required to explore various philosophical and educational frameworks, which are regarded as traditional and controversial, as they reflect on the implications of each paradigm and develop their unique view of public education and its future.

EDUC 567: Improving Instruction through Inquiry Practices (3)

Prerequisite: EDUC 565

This course emphasizes the use of learning principles in developing strategies for creating and improving instruction through inquiry and assessments, while ensuring access and participation of all students to achieve high academic standards.

The purpose of this course is to develop students' abilities to design and conduct classroom-based inquiry related to teaching and learning. It is also designed to make students knowledgeable consumers of academic research. Projects and class activities will enable students to narrow their research focus, formulate a research question, select an appropriate methodology, conduct a literature review, and begin to collect data as part of a pilot project designed to field-test their proposals. Emphasis will be given to different models for conducting research, research design, and the teacher's role as researcher, investigator, and interpreter of educational research.

EDUC 574 Materials Development for Online Learning (3)

Prerequisite: Prerequisite: Completion of an introductory technologies for teaching course

This course emphasizes the theories and methods of course development specifically for the online environment. Students will learn methods of material creation, skill integration techniques, course and program development, adaptation of onground materials to the online environment and integrative-skill techniques. Students will also learn about the various methods of delivery including onground, online and hybrid courses/programs. Students will learn methods to adapt existing material to a hybrid course.

EDUC 575 Online Teaching Principles and Practices (3)

*Prerequisite: Completion of an introductory technologies for teaching course
Internship/CPT Qualified*

This course provides an in depth perspective on methods of teaching in the virtual classroom including virtual classroom management, online student engagement techniques, addressing learning modalities, discipline, methods of providing feedback, motivational theories, individual needs assessments. Students will be able to apply theories to practice in the virtual classroom in the roles of teacher, coach and motivator.

EDUC 576 Course Design for the Virtual Classroom (3)

*Prerequisite: Completion of an introductory technologies for teaching course
Internship/CPT Qualified*

Students will learn methodologies and principles associated with designing and implementing virtual classrooms. Students learn theoretical understandings and considerations of the authenticity of material, interaction among participants, practical learning scenarios and techniques to promote student learning outside of the virtual classroom. Students will also learn about instructional design models and the importance of selecting the appropriate model for lesson development. Additionally, students will be introduced to a needs-based approach to course development in order to identify curricular goals and course objectives. Students will use this needs-based approach to develop a syllabus, a course outline, lesson plans to develop and implement this material into a fully online course.

EDUC 590 Program Administration (3)

*Prerequisite: Prerequisite: Completion of teaching methods and successful completion of or concurrent enrollment in a curriculum course
Internship/CPT Qualified*

This course provides an in-depth perspective of the administrative requirements of a language program including how to effectively lead and manage a program. Students gain a behind the scenes view of what occurs outside of the classroom environment including the areas of people management, curriculum and programmatic development, customer service and the logistics of managing a program. The course explores the lifecycle of the student from admission to graduation; the lifecycle of faculty members within the program; and the administrative role of managing a curriculum.

EDUC 593: Introduction to Educational Policy (3)

Prerequisite: None

This course provides a comprehensive examination of the policies, which shape, surround, and govern public education. Through this course, students will increase their understanding of the role politics and the various political constituents, including parents and students, play in the consistently changing educational arena. This course also provides insight into the correlations between educational policy and the financing of education.

Additionally, this course examines various policy systems such as the school districts themselves, administrators and their roles in policy development and implementation. Lastly, it delves into the trickle-down implications of federal, state, and local policy as they are implemented in the classroom, thus impacting the provision of academic programs, funding and resources, and the professional lives of teachers.

EDUC 595 Program Development and Evaluation (3)

*Prerequisite: Completion of an assessment course
Internship/CPT Qualified*

Successful educational programs require the development of curricula centered on student needs and ultimate goals. Additionally, language programs have an ethical and social duty to provide a quality, accessible, and relevant educational product for all stakeholders invested in and benefiting from the program. This course explores the need to examine and evaluate both the needs of the stakeholders and the effectiveness of the program by focusing on clear outcomes. Students will learn skills necessary to design evaluations at the course, programmatic, institutional, and societal levels. These skills provide students with the ability to develop, evaluate, and improve existing or new programs.

EDUC 597: Partnerships for School Success (3)

Prerequisite: EDUC 593

This course is designed to provide a comprehensive understanding of the critical role community and school partnerships play in building effective, productive, and high- achieving learning communities. This course

emphasizes techniques of improving instruction through application of research on effective schools and models of schools and teachers developing meaningful and collaborative relationships with the communities their schools serve. Topics covered include community building and shared decision-making, consensus building, establishing group buy-in, collaborative professionalism, and intentionally creating schools that demonstrate respect and value for the students, their families, and the community. Additional topics include instruction regarding the foundations of leadership, collaborative curriculum and instructional design practices, authentic assessment strategies, professional development for leadership and supervision, leadership for communication and community partnerships, and leadership for organizational management.

EDUC 640 Introduction to Research Methods (3)

Prerequisite: Completion of 9 credits, or permission of the instructor

Credit Hour Breakdown: 40 hours of Lecture; 10 hours of Lab

This course covers quantitative and qualitative methods of designing and implementing research in a classroom or institutional setting. It prepares students to conduct and prepare independent research from design to publication.

EDUC 667 Internship in Program Management (3)

Prerequisite: Completion of a minimum of 18 credits in the program

Credit Hour Breakdown: 135 hours of practicum

This course provides supervised field experience in a setting appropriate to the student's program and career goals. Examples of appropriate experience include (but are not limited to) managing a writing center or a language learning resource center; assisting with language program administration; conducting language testing. The students are expected to work on-site for at least 135 hours. Students are expected to communicate with the faculty advisor regularly and submit required documentation and projects on time.

EDUC 668 Internship in Educational Technology (3)

Prerequisite: Completion of a minimum of 18 credits in the program

Credit Hour Breakdown: 135 hours of practicum

This course provides supervised field experience in a setting appropriate to the student's program and career goals. Examples of appropriate experience include (but are not limited to) teaching online or blended language courses; assisting a language instructor teaching online or in blended contexts; developing language teaching materials or tests for online or blended classrooms; conducting or contributing to online language testing; conducting or assisting with research into topics relevant to online language learning and teaching. The students are expected to work on-site for at least 135 hours; when the student is the primary instructor of a course, it may be appropriate to count 2 hours of prep and grading for each hour of classroom instruction. Students are expected to communicate with the faculty advisor regularly and submit required documentation and projects on time.

ENGL 113 English Composition and Rhetoric (3)

Prerequisite: None

This course is designed expose students to the conventions of academic writing and critical thinking so that they may successfully produce prose that is clear and direct with appropriate structure and support. Students are introduced to the basic rhetorical modes of narration, classification, exposition, argumentation, description, comparison and contrast, cause and effect, definition, and process in the context of English rhetorical structure. This course provides students with the opportunity to experience writing as a process that requires refinement and experience. Students will learn to write for specific audiences and to understand how to approach writing for different disciplines.

ENGL 120: Academic Writing (3)

Prerequisite: None

Academic Writing focuses on reviewing the fundamentals of standard written English for academic purposes. Students will practice writing common forms of academic documents and demonstrate the ability

to successfully use APA formatting. This interactive class provides students with an opportunity to improve their academic writing skills necessary for success in college and beyond.

ESL 0230: Low Beginner Speaking, Listening & Pronunciation (70 hours – core)

Prerequisite: Placement or no previous exposure to the language.

In this course, students will begin to build their academic listening, speaking, and vocabulary skills, and focus on clear speech through pronunciation practice. Listening tasks include predicting listening content, listening for main ideas, details, opinions, and examples on a variety of high-interest topics. Some of the speaking tasks include expressing opinions and reactions, asking and answering questions, agreeing and disagreeing, and asking for repetition. Pronunciation features are introduced such as sentence intonation and syllable stress. Students will learn and use selected vocabulary from the Academic Word List.

ESL 0235: Low Beginner Reading, Writing & Grammar (70 hours – core)

Prerequisite: Placement or no previous exposure to the language.

In this course, students will begin to build their academic reading, writing, and vocabulary skills with a focus on developing a strong grammatical foundation. Reading skills include previewing a text, reading for main ideas and details, and recognizing different text types. Writing skills include basic sentence structures and an introduction to the writing process including pre-writing, outlining, revising, editing, and rewriting. Some grammatical structures covered are affirmative statements, parts of speech, and selected verb tenses.

ESL 0330: Beginner Speaking, Listening & Pronunciation (70 hours – core)

Prerequisite: ESL 0230 or placement

This course will help students develop the necessary academic speaking and listening skills to gain confidence communicating in English in a variety of situations. Students will focus on building skills to listen for main ideas and details, for specific purposes, and for specific information. Speaking skills include forming questions for follow-up, clarification, and repetition. Some speaking tasks involve group and pair discussions, as well as the preparation and delivery of a short presentation. Aspects of pronunciation covered in the course include question intonation, word stress, reduction and linking sounds.

ESL 0335: Beginner Reading, Writing & Grammar (70 hours – core)

Prerequisite: ESL 0235 or placement

This course focuses on developing basic reading and writing skills. Students will develop reading skills including recognizing main ideas and supporting details, making basic inferences, and using charts for comprehension. Students will also focus on developing writing skills such as: capitalizing proper nouns, writing well-formed complete sentences, using coordinating conjunctions, and using time order words. In addition, students will study present and past simple verb tenses, prepositions of location, and subordinating conjunctions. Furthermore, students will also increase their vocabulary by working with synonyms, antonyms, phrasal verbs, and different word forms.

ESL 0430: Elementary Speaking, Listening & Pronunciation (70 hours – core)

Prerequisite: ESL 0330 or placement

This course focuses on developing students' academic speaking and listening skills, including the ability to identify the main ideas and factual information in level-appropriate listening passages, participate in discussions on a variety of topics, give simple presentations, and verbally summarize listening passages. This course includes an overview and practice of pronunciation features such as sentence stress, reduction, and linking sounds.

ESL 0435: Elementary Reading, Writing & Grammar (70 hours – core)

Prerequisite: ESL 0335 or placement

In this course, students will improve their reading comprehension skills and begin to learn how to write paragraphs. Specifically, students will learn to use a variety of pre-reading strategies to become more effective readers, such as identifying main and supporting ideas of a text, recognizing sequence, and identifying the author's purpose. Students will be introduced to different types of paragraphs, for example opinion and descriptive, and be expected to produce well-structured paragraphs. In addition, students will

study different verb tenses (including the present perfect,) modals, comparative & superlative adjectives, future time clauses, adverbs.

ESL 0530: Low Intermediate Speaking, Listening & Pronunciation (70 hours – core)

Prerequisite: ESL 0430 or placement

This course focuses on developing students' listening comprehension, summarizing, and presentation skills. Students will understand main ideas and specific details of recorded passages on academic and general interest topics; take notes while listening; produce oral summaries of written and listening materials; prepare and deliver structured technology-assisted presentations on topics of general interest. In addition, students will give advice, make suggestions, ask for and give clarification to facilitate group discussions; and develop an ability to support opinions, explain in detail, and hypothesize. Students will also work on pronunciation skills including but not limited to word endings, syllable stress, intonation, and linking sounds.

ESL 0535: Low Intermediate Reading, Writing & Grammar (70 hours – core)

Prerequisite: ESL 0435 or placement

In this course, students will work with a variety of academic reading materials to develop basic academic reading skills (skimming for main ideas and scanning for key details). Students will also learn to deduce the meaning of new vocabulary from contextual and structural cues. Students will review the principles of basic paragraph structure and focus on mastering the ability to write different types of paragraphs including descriptive, example, and opinion paragraphs. In addition, students will review sentence structure and learn how to avoid fragments and run-on sentences. Students will continue to work on using verb tenses correctly and ensuring subject-verb agreement in their writing.

ESL 0630: Intermediate Speaking, Listening & Pronunciation (70 hours – core)

Prerequisite: ESL 0530 or placement

This course helps students expand their fluency, emphasizing the language they need for academic studies and real world communication. This course develops students' listening comprehension and note-taking skills, including listening for main ideas and details, tuning out distractions, and understanding the speaker's purpose. This course also provides insights into U.S. life and culture and builds academic vocabulary through topics such as gender issues, the environment, and philanthropy. In addition, students will improve their understanding of American English pronunciation by focusing on intonation, stress patterns, and reduced sound in fast speech.

ESL 0635: Intermediate Reading, Writing & Grammar (70 hours – core)

Prerequisite: ESL 0535 or placement

This course is designed for students who need to improve their academic reading and writing skills and enlarge their vocabulary. The students expand their vocabulary by understanding the meaning from context as well as word root meanings. The course readings explore controversial issues of contemporary U.S. culture. During this course, students will be introduced to the basic essay structure as well as various types of essays including descriptive and compare/ contrast. In addition, the course will focus on the correct usage of dependent clauses, subordinating conjunctions, comparatives, phrasal verbs, and complex verb tenses.

ESL 0720: TOEFL & Academic Listening (70 hours – core)

Prerequisite: ESL 0630 or placement

In this intensive course, students will listen to a variety of conversations and lectures in English. Some topics that will be covered in this class are non-academic and informal; they reflect typical situations university students face in the United States. Other topics are academic and come from various fields of study in the natural sciences, the social sciences, the arts, and business. Through daily exercises, students will learn and practice useful listening strategies and test-taking skills that are required for TOEFL iBT.

ESL 0722: TOEFL & Academic Reading (70 hours – core)

Prerequisite: ESL 0635 or placement

This course trains students to read and understand lengthy readings on a variety of academic topics. Students will learn about vocabulary, pronoun reference, the meanings of sentences, where sentences can be inserted, inferences, rhetorical purpose, and overall organization of ideas.

ESL 0730: High Intermediate Speaking, Listening & Pronunciation (70 hours – core)

Prerequisite: ESL 0630 or placement

This course focuses on developing academic listening and speaking skills. Students will learn to give short structured presentations and improve their ability to comprehend and analyze academic discourse including expressing surprise, encouragement, and approval; and refuting an argument. This course includes an accent-reduction component to help students speak clearly and with appropriate intonation patterns. Furthermore, the academic language skills developed in this course will help to prepare students for the TOEFL iBT test.

ESL 0735: High Intermediate Reading, Writing & Grammar (70 hours – core)

Prerequisite: ESL 0635 or placement

In this course, students will review the basic principles of essay organization and focus on mastering multiple types of essays, including argumentative and cause/effect. Students will further develop their academic reading skills in interpretation, inference, and contextual vocabulary cues. Students will analyze, summarize, and criticize ideas encountered in reading passages. In addition, this course provides instruction on higher-level grammatical constructions in academic writing, such as verb tense consistency, effective relative clause usage, real and unreal conditionals, and passive voice. Furthermore, the academic language skills developed in this course will help to prepare students for the TOEFL iBT test.

ESL 0800: Public Speaking & Presentation Skills (35 hours – elective)

Prerequisite: ESL 0730 or placement

In this course, students will develop their confidence and abilities to be effective presenters. Students will build their skills by studying speech models; focusing on the physical aspects of presenting such as eye contact, gestures, stance, and voice; employing presentation aids; organizing and outlining speech materials; and most importantly preparing, giving, and evaluating their own presentations. Additionally, strategies for creating and selecting effective visual aids will be discussed and applied. Students who take this course will be able to deliver solid presentations in academic and professional settings.

ESL 0802: Accent Reduction (35 hours – elective)

Prerequisite: ESL 0730 or placement

This course is designed to help prepare students to comfortably converse with clear pronunciation in a variety of situations. The course will focus student attention on intonation and syllable stress, which is one of the most important facets of accent reduction. Students will feel more confident about conversing with Americans in their daily lives. Also, students who are preparing to enter academic programs will gain useful pronunciation experience that will enable them to better understand (and be understood by) native speaking professors and classmates.

ESL 0806: Academic Writing & Research Skills (70 hours – elective)

Prerequisite: ESL 0735 or placement

The main focus of this course is to develop the skills and knowledge required to write an academic research paper including quoting, paraphrasing, summarizing, accessing and evaluating research sources, avoiding plagiarism, citing sources and essay formatting according to APA style. In addition, the course familiarizes international students with the general expectations of the American higher education system and assists them in building strong academic skills.

ESL 0810: Grammar Workshop & Editing (35 hours – elective)

Prerequisite: ESL 0735 or placement

The course is designed for students who have taken grammar courses and have a general understanding of grammar rules, but have trouble demonstrating it consistently, particularly through their writing. Each

week, the class will target specific grammar errors that are commonly observed among English learners, such as incorrect use of verb tenses, various forms of agreement, determiners, word forms, and mechanics. After reviewing the rules, students will be asked to check their comprehension by using the targeted grammatical points at the sentence and paragraph level, eventually leading to writing 5-paragraph essays, which will be peer- and self-edited.

ESL 0817: Critical Thinking through News around the World (35 hours – elective)

Prerequisite: ESL 0730 or placement

Students in this elective course will use a variety of news sources to develop and sharpen their critical thinking and writing skills, as well as hone the speaking skills necessary to partake in stimulating discussions. Through this course, students will gain a better understanding of the impact of current events throughout the world.

ESL 0821: TOEFL Speaking (70 hours – elective)

Prerequisite: ESL 0735 or placement

In this intensive course, students will learn six different tasks of the Speaking section: two independent tasks and four integrated tasks. Students will be introduced to a variety of speaking strategies and given ample opportunities to practice responding to different topics in a given period of time with comprehensible pronunciation.

ESL 0823: TOEFL Writing (70 hours – elective)

Prerequisite: ESL 0735 or placement

In this course, students will learn how to write two types of essays for the TOEFL iBT independent and integrated tasks.

ESL 0840: English for Business Professionals (35 hours – elective)

Prerequisite: ESL 0735 or placement

In this course, students will improve their skills in the following key areas of business communication: taking part in meetings, telephoning, negotiating, presenting, and socializing. Students will also be introduced to the style, vocabulary, and various formats of business writing, such as letters, reports, memos, email, and other electronic communication. Grammar and editing skills are reinforced as important components of effective professional communication.

ESL 0850: IELTS Preparation (70 hours – elective)

Prerequisite: ESL 0735 or placement

The International English Language Testing System (IELTS) is an internationally recognized standardized English proficiency exam, which is generally required for universities in the UK, Ireland, Australia, and New Zealand. While most American universities require TOEFL scores as entry requirement for international students, some schools also accept IELTS scores. This course prepares students who plan to take the IELTS exam by improving their overall English skills and familiarizing them with the test format, topics, and strategies that are needed to succeed in achieving their desired IELTS score.

FREN 100: Elementary French I (3)

Prerequisite: Placement or no previous exposure to the language.

This course is an introduction to French grammar, structure, and use. This course uses a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language.

FREN 105: Elementary French II (3)

Prerequisite: FREN 100 or placement

This course is an introduction to French grammar, structure, and use. This course uses a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Elementary French I while reinforcing production skills and vocabulary building.

FREN 200: Intermediate French I (3)

Prerequisite: FREN 105 or placement

This course is an intermediate French course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Elementary French II while reinforcing meaningful and purposeful production skills and vocabulary building to emphasize communicative competence. The target language is the primary language of instruction.

FREN 205: Intermediate French II (3)

Prerequisite: FREN 200 or placement

This course is an intermediate French course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Intermediate French I while reinforcing meaningful and purposeful production skills and vocabulary building to emphasize communicative competence. The target language is the primary language of instruction.

FREN 250: Conversational French I (3)

Prerequisite: FREN 105 or placement

This course is an intermediate French course and builds upon skills learned in the elementary level. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in elementary and intermediate French with a focus on oral communication in the target language. The target language is the primary language of instruction.

FREN 300: Advanced French I (3)

Prerequisite: FREN 205 or placement

This course is an advanced French course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the skills and vocabulary required to communicate in a foreign language at an advanced level. Students will apply their knowledge of grammar, structure, and use to communicate fluidly and clearly in the target language in meaningful and purposeful activities designed to simulate real-world scenarios. Students will expand their communicative competence skills to be able to apply course content to a final project exemplifying their abilities. The target language is the language of instruction.

FREN 305: Advanced French II (3)

Prerequisite: FREN 300 or placement

This course is an advanced French course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the skills and vocabulary required to communicate in a foreign language at an advanced level. Students will apply their knowledge of grammar, structure, and use to communicate fluidly and clearly in the target language in meaningful and purposeful activities designed to simulate real-world scenarios. Students will expand their communicative competence skills to be able to apply course content to a final project exemplifying their abilities. The target language is the language of instruction.

GEOG 101: World Geography (3)

Prerequisite: None

This course provides a survey of physical, cultural, and economic aspects of world regions. It serves as an introduction to how constituent parts of the world differ from one another in their associated resources, cultures, and economics. Attention is given to the interrelationships, interdependencies, and associations that bind together the diverse communities of the world.

GEOL 101: Introduction to Geology (3)

Prerequisite: None

This course provides an introduction to the dynamics of the earth –volcanoes, earthquakes, plate tectonics, rivers and streams, groundwater, glaciers, waves, wind, and landslides –with an emphasis on the environment applications of these processes. This course also covers tools of the geologist, for example maps and aerial photographs.

GOVT 120: Comparative Government (3) [

Prerequisite: None

This course compares political processes and governing structures in European nations, the former Soviet Union, China, and the United States.

GOVT 130: American Society and Politics (3)

Prerequisite: None

This is an introductory course in the study of international relations. Students will examine important historical and contemporary themes in international relations and discuss the main set of theories in the discipline: realism, idealism, and constructivism. Critical themes and developments to be discussed in the course include global and regional conflict and war, cooperation, international law, terrorism, proliferation of weapons of mass destruction, ethnic conflict and peacekeeping, globalization and international trade and finance, and international organizations and regionalism.

GOVT 140: International Relations (3)

Prerequisite: None

The class is designed to provide students with a core understanding of American politics and society and inspire their interest and possibly involvement in the American political system. It is comprised of three main modules. The first part of the course explores the historic, cultural and religious origins of the American state and focuses on the issues of American exceptionalism, national identity, religious roots and early political development. The second module centers on the key principles, institutions, and decision-making processes of the American political system, and evaluates the basis strengths and weaknesses of American modern governance. Finally, module three, examines some of the most current and prominent dilemmas in modern American life, including the politics of race, social security, health care and gender issues.

GOVT 505: Research Methods (3)

(Also offered as: CMP 551, PUAD 510)

Prerequisite: None

This course provides knowledge of research methodologies used in varying disciplines. The course includes experimental design, surveys, case studies, and fieldwork. It introduces students to applied research methodologies. The use of analytical tools, literature searches, and the application of VIU

documentation style will result in a formal written proposal that may serve as the basis for each student's special project.

GOVT 510: Theories of International Relations (3)

Prerequisite: None

This seminar is designed to provide a comprehensive overview of the field of international relations. Throughout the course we will examine different approaches to explaining international relations. By surveying major concepts and theories in the field, the seminar will also assist graduate students in preparing for the further study in the more specialized areas of International Relations.

GOVT 520: International Security (3)

(Also offered as PUAD 520)

Prerequisite: None

This course will familiarize students with some of the major theoretical issues in the study of international security, and some of the central challenges shaping current debates about security and the use of force. War and conflict have been central to international politics. The study of security investigates causes of war, strategies for avoiding conflict, and the impact of new technologies, actors, and ideas on calculations about the use of force. This course will give students a solid grounding in current theoretical issues and security challenges in the international arena, and to encourage them to think about how an understanding of these issues can help them address existing security problems.

GOVT 530: Democratization (3)

Prerequisite: None

This course provides an overview of the literature in comparative politics on democratization. We will address longstanding conceptual questions including definitions of democracy, democratic transitions, and consolidation. The seminar will also tackle debates related to the preconditions for democratization and as well as different accounts for democratic successes and failures. The course will examine a variety of analytic approaches and methodologies scholars employ in the subfield of comparative politics.

GOVT 540: International Law (3)

Prerequisite: None

Internship/CPT Qualified

This course aims to illustrate the importance of international law, in all its forms, in relation to many of the central issues that preoccupy governments and other relevant actors and to highlight the extent to which the assumptions underpinning this body of law have changed in recent decades. The focus is on the norms, actors and processes which contribute to making international law what it is today. The approach seeks to combine theory and practice, although particular emphasis is attached to the actual practice of international law and its impact, or lack thereof, in relation to some of the most pressing issues on the international agenda. The course will follow relevant current events in the field.

GOVT 551: Conflict Resolution (3)

(Also offered as MBA 551, PUAD 551)

Prerequisite: None

Internship/CPT Qualified

This course gives students practical experience in resolving workplace disagreements and discourse. Students will learn how to use different models and theories on resolving conflict in the organization. Students will develop skills in negotiations, dispute resolution, communications, reconciliations and mediations.

GOVT 612: International Management (3)

(Also offered as MBA 612 & PUAD 612)

Prerequisite: GOVT 505 or MBA 513

Internship / CPT Qualified

This course focuses on the challenges inherent in managing a workforce comprised of employees from more than one country. Particular emphasis is placed on cultural and legal differences as well as the

development of programs and processes which select, motivate, train, and evaluate across national borders.

GOVT 613: Enterprise Resource Planning (3)

(Also Offered as MBA 613 & PUAD 613)

Prerequisite: MBA 512 or GOVT 505

Internship / CPT Qualified

Logistics involves the integration of information, transportation, inventory, warehousing, material handling, and purchasing. All of these areas provide a variety of stimulating jobs for students interested in operations management, marketing, and information systems. Because of the strategic importance of logistical performance, any student interested in senior management will benefit from this course.

GOVT 614: International Finance (3)

(Also offered as MBA 614)

Prerequisite: GOVT 505 or MBA 511

Internship / CPT Qualified

This course aims to concentrate on the following two topics: (1) basics of international financial markets including derivatives; and (2) managerial perspectives on international finance. The course includes an analysis of different types of financial instruments, such as currencies, stocks, futures, options, international risk and diversification, and swaps. The course covers the theoretical concepts of international financial markets and the study of valuations, acquisitions, and strategies using various techniques to analyze foreign investments.

GOVT 615: International Strategy (3)

(Also offered as MBA 615)

Prerequisite: MBA 516 or GOVT 510

Internship / CPT Qualified

This course examines entry strategies to foreign markets for international and multinational firms as well as strategies for managing operations across borders.

GOVT 616: International Marketing (3)

(Also offered as MBA 616)

Prerequisite: MBA 513 or GOVT 510

Internship / CPT Qualified

This course examines the methods and strategies used by firms in international and multinational marketing efforts. Particular attention is paid to how companies decide whether to go global or remain local and how they engage in multi-level marketing opportunities.

GOVT 617: Import & Export Management (3)

(Also offered as MBA 617)

Prerequisite: None

Internship / CPT Qualified

For many organizations, the first step toward multinational operations begins with importing and exporting goods. This course focuses on the strategies and processes of import/export management.

GOVT 618: International Economics & Trade (3)

(Also offered as MBA 618)

Prerequisite: MBA 511 or Approval by Academic Advisor

Internship/CPT Qualified

The course is designed to provide students with the analytical tools and techniques required to managing financial assets across international borders. Employing modern decision and probability theory and statistical techniques, the students will investigate the concepts governing the economics of international trade, risk management, logistics and international law.

GOVT 625: Effective Negotiations (3)

(Also offered as MBA 625, PUAD 625)

Prerequisite: none

Internship/CPT Qualified

This course examines the theory and practice of negotiations, including strategies, legal issues, methods, and approaches.

GOVT 631: Intercultural Communication (3)

Prerequisite: None

This course focuses on the importance of culture in our everyday lives, and the ways in which culture interrelates with and effects communication processes. We live in an era of rapid globalization in which being able to communicate across cultures is imperative to our ability to function in a diverse workplace, city, and world. This course will take us on a journey. Using our stories and our online discussions, this course is designed to increase our sensitivity to other cultures. Just as importantly, this journey increases our awareness of our own cultural backgrounds, and the contexts (social, cultural and historical) in which we live and communicate.

GOVT 632: Comparative Politics (3)

Prerequisite: GOVT 510

Internship/CPT Qualified

This course introduces students to some of the main theories, concepts, approaches, and methods in comparative politics. It is a seminar based on classroom discussion and student participation. One major objective of this course is to familiarize students with the most important literature in comparative politics and help to prepare them for the comprehensive exam. We will read and discuss both “classic” and contemporary material drawn from a variety of social science disciplines such as political science, economics, history, anthropology and sociology. Throughout the course, we will explore important theoretical and methodological issues in the comparative study of political behavior and institutions.

GOVT 633: Politics of Development Aid (3)

Prerequisite: None

Internship/CPT Qualified

This course provides the platform for critical thinking about what makes some countries richer and more developed than others. This question has puzzled social scientists for many generations. In this course, we will engage in a critical evaluation of the existing schools of thought and how these address the politics of development. We will pay particular attention to the situation in non-industrial societies and actively follow the contemporary debate on international development aid.

GOVT 634: Operations Management (3)

(Also offered as MBA 634 & PUAD 634)

Prerequisite: GOVT 618 or MBA 515

Internship / CPT Qualified

This course examines the use of mathematical models in managing the operations of organizations. Techniques examined include queuing, facility planning, distribution network, and transportation models.

GOVT 635: Intelligence & Foreign Policy (3)

Prerequisite: GOVT 510

This course emphasizes the development of intelligence systems and assesses the ways in which they help or hinder international actors in achieving policy objectives. The course goal is to provide answers to three questions: “What is intelligence?”; “How does it work?” and “What difference does it make?”

GOVT 650: Policy-Making in a Global Context (3)

Prerequisite: None

Internship / CPT Qualified

This course places the development of policy-making in its international context as it relates to globalization. It considers its impact on enlargement and the evolution of economic policies for implementation. This course also explores how companies must adapt and revise their strategies accordingly. Students will study the economics of European integration and the problems of regulation, redistribution, banking, security, and cooperation.

GOVT 651: International Economics & Politics (3)

Prerequisite: MBA 511 or GOVT 618

Internship / CPT Qualified

This course addresses the interaction of economic and political policy and the lessons to be derived for businesses and international organizations. The course will examine the political factors underlying economic policy in emerging market economies including policies toward banking crises, privatization of state-owned enterprises, macroeconomic problems, reform of the international trade system, and corruption.

GOVT 652: International Industrial Development Strategies (3)

Prerequisite: MBA 511 or GOVT 618

Internship / CPT Qualified

Development is sweeping the globe and the redefinition of boundaries between the public and private sectors has created new and exciting opportunities for business and policy makers. This course will review the international experience with privatization, the current sale of electric utilities, airlines, and telecommunication companies in emerging and developed economies.

GOVT 665: Graduate Internship I (3 credits)

Prerequisite: Dean's Approval

The objective of the course is to provide hands-on and practical work experience in their business concentration that will give students a competitive advantage when they graduate. Students will have a chance to gain work experience in areas of their interest and gain exposure to the industry practices and key contacts for future employment opportunities. This three (3) credit hour internship is for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

GOVT 666: Graduate Internship II (3 credits)

Prerequisite: Dean's Approval

The objective of the course is to provide hands-on and practical work experience in their business concentration that will give students a competitive advantage when they graduate. Students will have a chance to gain work experience in areas of their interest and gain exposure to the industry practices and key contacts for future employment opportunities. This three (3) credit hour internship is for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

GOVT 711: Globalization (3)

Prerequisite: GOVT 510

Globalization is the intensification of economic, political, social, and cultural relations across international borders. The course will begin with analyses of the definition of the term "globalization", the causes, nature, and effects of the process of globalization. We will also focus on the controversy surrounding the pros and cons related to the phenomenon within the context of the evolution of the pro and anti-globalization movements.

GOVT 713: Fundamentals of US Economic Policy (3)

Prerequisite: GOVT 618

Internship/CPT Qualified

This course examines the conduct of U.S. foreign policy through economic means and the use of economic instruments. A state has many tools at its disposal to promote its own security and influence the behavior of other states. These tools range from a multitude of military options to those in the diplomatic and economic spheres. Economic instruments have been utilized by states throughout history as a means of influencing the actions of others. These instruments take the form of both "carrots" and "sticks" and consist of the granting and withholding of trade benefits, employing unilateral and multilateral sanctions and embargoes, as well as other less visible measures such as influencing behavior through aid, monetary policy and the use of the trade remedy laws.

GOVT 745: Topics in International Relations (3)

Prerequisite: None

The purpose of this course is to acquaint students to the major issues affecting the global population and policy-making. Students will become aware current trends and problems within the field of international relations.

GOVT 790: Advanced Research Project (3)

Prerequisite: A minimum of 15 credits from GOVT 505, GOVT 510, GOVT 520, GOVT 632, GOVT 618, & GOVT 711

Internship/CPT Qualified

This course is designed for students to develop a project that will encompass the key elements of International Relations which have been studied throughout the MIR program, culminating in the submission of a final project paper and an oral presentation.

HIST 101: World History (3)

Prerequisite: None

World History is the only course offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world.

HUMN 101 Introduction to the Arts and Humanities (3)

Prerequisite: None

This course is designed to provide a conceptual understanding and overview of the major disciplines of the humanities including music, theatre, cinema, visual arts, philosophy, and literature. This course will help students hone their critical thinking, interpretation, and discussion skills.

LING 105: Language and the Human Experience (3)

Prerequisite: None

This introductory course emphasizes the importance of language in its relation to the human experience. Topics in the course include the nature of language, how languages are learned and used to communicate, how culture influences communication, and the role of language in conflict resolution. The course is designed to be useful for a variety of eventual professions and social situations as well as to help students to develop sensitivity to differing cultures and worldviews in an evaluative and reflective manner. Students will begin to evaluate their own actions and language use in a way that aids in understanding the diversity of language and thought found in a globalized society.

MATH 160: Pre-Calculus (3)

Prerequisite: None

This course is intended to prepare students for the study of calculus. It includes a review of algebra; arithmetic operations, fractions, factoring, the quadratic formula, radicals, and exponents. This course also serves as an introduction to linear, polynomial, trigonometric, rational, and logarithmic functions. Graphs of functions are also covered throughout the course.

MATH 165: Calculus I (3)

Prerequisite: None

This course covers functions, limits, the derivative, maximum and minimum problems, the integral, and transcendental functions.

MBA 500: Managerial Communication (3)

Prerequisite: None

This course focuses on the theory and practice of effective communications by managers. Managerial communication continuously ranks as the single most important skill for managers and executives to have. Emphasis is placed on both written and oral communications to make a student better, more effective leader and strategy implementer.

MBA 511: Managerial Accounting and Finance (3)

Prerequisites: ACCT 201 Principles of Financial Accounting, BUSS303 Principles of Finance

This course focuses on companies' sources and uses of financial resources and also accounting management. Students will focus on capital/debt structure decision and capital budgeting techniques, with particular emphasis on the impact of long-end short-term uses and sources of funds on the firm's value.

MBA 512: Project & Cost Management (3)

Prerequisite: STAT 200 Introduction to Statistics

This course focuses on the planning, organizing, and managing of resources to bring about the successful completion of specific project goals and objectives, especially within specific start and completion dates. In addition, students will learn how to adhere to classic project constraints of scope, quality, time and budget while learning the tools and techniques necessary to minimize the risk of failure in achieving the organization's goal and objectives.

MBA 513: Organizational Behavior & HR Management (3)

Prerequisite: None (For SED students, the advisors approval and successful completion of 18 credits in the program required)

This course focuses on how people behave in organizations and groups. Topics include leadership, motivation, organizational culture, and roles within groups.

MBA 514: Marketing Management (3)

Prerequisite: None (For SED students, the advisors approval and successful completion of 18 credits in the program required)

This course examines the methods and strategies used by corporations and firms in developing marketing efforts, strategy and policies. It focuses on the practical application of marketing techniques and the management of company's marketing resources and activities to create an effective, cost-efficient marketing strategy to succeed and become profitable, in particular, within rapidly emerging forces of globalization. Also, a course provides learning experience and cultivates operational skills and knowledge on designing and facilitating marketing campaigns within business environment.

MBA 515: Business Statistics (3)

Prerequisite: STAT 200 Introduction to Statistics

This course focuses on the use of statistics in business research. In addition to mastering common statistical tools, students will study the design and execution of typical business research projects using such methods as surveys, analysis of archival data, and direct observation.

MBA 516: Strategic Management and Organizational Leadership (3)

Prerequisite: None (For SED students, the advisors approval and successful completion of 18 credits in the program required)

The course focuses on the analyses, decisions, and actions that an organization undertakes in order to gain and maintain competitive advantage. The extensive use of case studies focuses students on diagnosis of problems and opportunities as well as the development of alternative courses of action and implementing organizational leadership.

MBA 523: HR Law (3)

Prerequisite: None

Internship / CPT Qualified

This course lays the foundation for in-depth review of federal, state, and international human resource laws and regulations. Students will gain knowledge of employment laws, HR regulations, and international agreements that affect human resource decisions. The course will introduce students to legal issues addressing employee rights such as privacy, EU Data Privacy Directive, Safe Harbor Principles, HIPAA, etc. The students will use case studies to better understand the complexities and challenges of applying HR law to global situations. A focus on HR international activities will include applying HR laws in the international context, legal aspects of managing people across nations and cultures, and legal issues and

policies that impact international HR managers. The course will provide a basic foundation of global HR legal regulations and standards.

MBA 536: Labor Relations (3)

Prerequisite: None

Internship / CPT Qualified

This course will introduce students to the history of the labor movement and the collective bargaining process. Case studies will be used to understand the relationship between labor and management. Students will gain practical knowledge of balancing employee needs with organizational goals. Students will learn how to effectively evaluate employee relations programs to ensure productive and positive organizational environments. Students will participate in collective bargaining activities and understand the contract negotiation process.

MBA 538: Compensation and Benefits (3)

Prerequisite: None

Internship / CPT Qualified

This course focuses on the design and implementation of compensation and benefit strategies to retain talented and qualified staff in an organization. The course covers the importance of financial and non-financial benefits when developing a compensation package for employees. The course will review legally required benefits as well as voluntary benefits offered by the employer. Students will learn how to evaluate compensation plans and systems to ensure they are compliant with government regulations, equitable to all staff in the organization, competitive to attract qualified employees and align with organizational goals and values. Students will gain knowledge of federal compensation tax laws, job pricing, various pay programs, and international compensation plans.

MBA 551: Conflict Resolution (3)

Prerequisite: None

Internship / CPT Qualified

This course gives students practical experience in resolving workplace disagreements and discourse. Students will learn how to use different models and theories on resolving conflict in the organization. Students will develop skills in negotiations, dispute resolution, communications, reconciliations and mediations.

MBA 552: Hospitality and Tourism Management (3)

Prerequisite: None

Internship/CPT Qualified

This course develops students' competencies in managing people, processes, activities, and events involved in the hospitality and tourism industry. Students will learn the skills needed to be successful in managing hospitality and tourism for restaurants, hotels, casinos, travel agencies, and other core fields in the industry. The course will introduce students to topics and challenges of managing operational logistics including budgeting, sales, and communications of hospitality, hotel and tourism for the public and private sectors. This course will introduce students to the skills, challenges and complexities of managing international, national and regional tourism.

MBA 553: Event Planning and Management (3)

Prerequisite: MBA 512 Project and Cost Management

Internship/CPT Qualified

This course will prepare students for effective event and meeting planning coordination and implementation. The topics and case studies are based on the management's view of organizing and planning events. Students will be introduced to skills required for coordinating meetings, conventions, small to large special events, exhibits, and conferences. Students will be introduced to all aspects of event planning including overseeing catering logistics, coordinating meeting and exhibit space, monitoring client expectations, organizing audio/visual logistics, staffing events and using consultants and contractors. Models and techniques for effective project management and budgeting will be included.

MBA 554: Marketing for Hospitality and Tourism (3)

Prerequisite: MBA 514 Marketing Management

Internship/CPT Qualified

This course will apply marketing concepts and theories to the hospitality and tourism industry. Students will learn how develop, implement and apply marketing strategies to market targets such as corporate, government, nonprofits, educational as well as individuals. Students will learn how to lead or participate in marketing teams to generate new or repeat business. Students will learn how to make decisions and communicate value based on the marketing mix (product, price, place, and promotion). Other areas of marketing appropriate to the hospitality and tourism industry will be addressed including branding, customer loyalty, packaging, seasonal pricing, distribution channels, sales promotion, PR and advertising.

MBA 555: Legal Aspects of Hospitality and Tourism (3)

Prerequisite: None

Internship/CPT Qualified

This course will give students knowledge of the different type of laws and legal regulations that govern the hospitality and tourism industries including: contract law, criminal law, travel regulations, employment/HR law, food law, and insurance regulations. Student will also learn about liability issues, guests' rights, negligence, and food and alcohol laws as they relate to the hospitality and tourism industries. Student will also learn about ethics, preventative legal management and legal aspects of property management.

MBA 556: Accounting, Budgeting and Cost Controls: Hospitality and Tourism (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship/CPT Qualified

This course will apply accounting principles and processes to the hospitality and tourism industry. Students will learn how to use financial statements, budgets, and forecasting to make appropriate management decision relating to the hospitality and tourism industries. Students will be familiar with the Uniform Systems of Accounts for the Lodging Industry and Profit and Loss Statements. Student will be able to transfer this knowledge into a practical setting with the use of case studies, company profiles, and real life examples.

MBA 557: Management of Information Technology in Hospitality and Tourism (3)

Prerequisite: None

Internship/CPT Qualified

Students will learn how to use information technology to manage operations and gain competitive advantages in the hospitality and tourism industries. Students will learn about the importance of information security, e-commerce, databases, and social Media in the hospitality and tourism industries. Students will learn how information technology impacts transportation, accommodation, vendor distribution, marketing, and customer service.

MBA 558: Human Resource Management in the Hospitality and Tourism Industries (3)

Prerequisite: MBA 513 Organizational Behavior and HR Management

Internship/CPT Qualified

This course focuses on HR management from the Hospitality and Tourism industry's perspective. The student will learn about general HR issues such as employment law, recruiting, compensation, social responsibility, and employee safety concerns. The course will also delve into very specific issues that are common to the industries such as: tip eligibility, working with unions in the industry, managing global employees in the hospitality and tourism industries, and compliance with US and international employment laws.

MBA 560: Graduate Internship I (3)

Prerequisite: None

This course provides practical learning experience and application for qualified graduate students in a business concentration area such as: finance, accounting, management, HR, marketing, international business, global logistics, hospitality & tourism, etc. The objective of the course is to provide hands-on and practical work experience in their business concentration that will give students a competitive advantage when they graduate. Students will have a chance to gain work experience in areas of their interest and gain exposure to the business environment, industry practices and key contacts for future employment opportunities. This three (3) credit hour internship is for students who are expected to work a minimum of

135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

MBA 600: Business Residency (3)

Prerequisite: None

This course is designed around local business residency and focuses on practical application of obtained business knowledge through site visits, advising and consultancy to organizations, agencies and business enterprises.

MBA 605: Auditing (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course provides students with the knowledge of basic to complex auditing issues of businesses. It focuses on basic auditing concepts and principles including professional standards, planning an audit and auditing internal controls, evidence gathering, fraud, and sampling tools for audits, as well as review of audit procedures and audit reports.

MBA 608: Financial Reporting and Decision Making (3)

Prerequisite: None

Internship / CPT Qualified

This course presents accounting reporting and decision making tools used in various businesses. Students will understand basic to complex financial reporting and decision making concepts and practices. Topics include the analysis of financial statements, ratio analysis, benchmarking, valuation concepts, risk, budgeting, investments, and taxes.

MBA 610: Taxation of Business Entities (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course provides students with the knowledge of basic to complex tax issues of businesses. The course includes a basic introduction to taxation, tax issues with investments, and other business transactions. The course will also cover taxation of various types of corporations and individuals including gift taxes and income.

MBA 611: Business Ethics and Law (3)

Prerequisite: None

This course examines the legal and ethical basis of decision-making in business organizations. Topics include torts, contracts, liability, and the Uniform Commercial Code.

MBA 612: International Management (3)

Prerequisite: MBA 513 Organizational Behavior and HR Management

Internship / CPT Qualified

This course focuses on the challenges inherent in managing a workforce comprised of employees from more than one country. Particular emphasis is placed on cultural and legal differences as well as the development of programs and processes which select, motivate, train, and evaluate across national borders.

MBA 613: Enterprise Resource Planning (3)

Prerequisite: MBA 512 Project and Cost Management

Internship / CPT Qualified

Logistics involves the integration of information, transportation, inventory, warehousing, material handling, and purchasing. All of these areas provide a variety of stimulating jobs for students interested in operations management, marketing, and information systems. Because of the strategic importance of logistical performance, any student interested in senior management will benefit from this course.

MBA 614: International Finance (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course aims to concentrate on the following two topics: (1) basics of international financial markets including derivatives; and (2) managerial perspectives on international finance. The course includes an analysis of different types of financial instruments, such as currencies, stocks, futures, options, international risk and diversification, and swaps. The course covers the theoretical concepts of international financial markets and the study of valuations, acquisitions, and strategies using various techniques to analyze foreign investments.

MBA 615: International Strategy (3)

Prerequisite: MBA 516 Strategic Management and Organizational Leadership

Internship / CPT Qualified

This course examines entry strategies to foreign markets for international and multinational firms as well as strategies for managing operations across borders.

MBA 616: International Marketing (3)

Prerequisite: MBA 513 Organizational Behavior and HR Management

Internship / CPT Qualified

This course examines the methods and strategies used by firms in international and multinational marketing efforts. Particular attention is paid to how companies decide whether to go global or remain local and how they engage in multi-level marketing opportunities.

MBA 617: Import & Export Management (3)

Prerequisite: None

Internship / CPT Qualified

For many organizations, the first step toward multinational operations begins with importing and exporting goods. This course focuses on the strategies and processes of import/export management.

MBA 618: International Economics and Trade (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course is designed to provide students with the analytical tools and techniques required to manage financial assets across international borders. Employing modern decision and probability theory and statistical techniques, the students will investigate the concepts governing the economics of international trade, risk management, logistics, and international law.

MBA 620: Long-Term Financial Decisions (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course places an emphasis on the optimal acquisition and allocation of long-term sources of capital. Topics include working capital, capital budgeting evaluation models, cash flow analysis, diversification, portfolio approaches to capital budgeting, capital structure, cost of capital, lease-purchase decisions, abandonment, and mergers.

MBA 621: Trading and Risk Management (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course will cover the different financial markets and trading theories that different market participants use to profit from moves in the market. Unlike an investments course, this class will focus more on the economic and psychological factors that move secondary markets instead of advanced calculations based on efficient market theory.

MBA 622: Marketing Research (3)

Prerequisite: MBA 515 Business Statistics

Internship / CPT Qualified

This course examines the theory and practice of marketing research. Use of various statistical tools and study designs is an integral part of the course as is the design and execution of a research project.

MBA 623: Sales Management (3)

Prerequisite: MBA 513 Organizational Behavior and HR Management

Internship / CPT Qualified

The course focuses on the management of a professional sales force. Particular emphasis is placed on managing the sales force through recruiting, training, motivating, evaluating, and compensating sales force members.

MBA 624: Advertising & Promotion (3)

Prerequisite: None (For SED students, the advisors approval and successful completion of 18 credits in the program required)

Internship / CPT Qualified

Advertising and promotion form the means by which organizations communicate the distinctive characteristics of their offerings to potential buyers. This course examines the theory and practice of promotions and advertising. The primary focus is on how advertising and promotions contribute to the overall marketing plan.

MBA 625: Effective Negotiations (3)

Prerequisite: None

Internship / CPT Qualified

This course examines the theory and practice of negotiations, including strategies, legal issues, methods, and approaches.

MBA 626: Consumer Behavior (3)

Prerequisite: MBA 513 Organizational Behavior and HR Management

Internship / CPT Qualified

Effective marketing lies in understanding the needs and motivations of buyers. This course focuses on what is known about how human behavior influences the purchase decision as well as how to apply this knowledge to specific firms and industries.

MBA 627: Advanced Business Project (3)

Prerequisite: All Core Courses and first-semester Concentration Courses

Internship / CPT Qualified – Per Approval by the Dean

This capstone course gives MBA students the opportunity to pull together and build upon what has been learned in separate business fields and to utilize this knowledge in the analysis of complex business problems. It is designed to aid the student in synthesizing and applying knowledge gained in earlier courses and will apply these skills through actual business cases, preferably with local Northern Virginia-based companies.

MBA 628: Global Sourcing and Logistics (3)

Prerequisite: None

Internship / CPT Qualified

This course is designed to examine the complex issues that corporate executives must address in the decision-making process when considering whether or not to outsource internationally. It also examines the equally complex issues that arise once the decision is made to outsource, including how to reduce risk, thereby minimizing exposure while maximizing the opportunities for favorable outcomes and more competitive landed costs.

MBA 630: Entrepreneurship (3)

Prerequisite: MBA 516: Strategic Management & Organizational Leadership

Internship/CPT Qualifies

In this course students will understand the role of an entrepreneur in running his or her own business, acting as a business consultant, and serving as a governmental entrepreneur or a consultant. Students will explore strategies of successful entrepreneurs and understand the role of entrepreneurship in economic developments. Students will walk through the initial thought process and groundwork for starting, financing,

and managing a new business. Students will be exposed to other topics such as social entrepreneurship, microfinance, and global entrepreneurship.

MBA 631: Current Topics in Business (3)

Prerequisite: None

This course will cover specific topics as described at the time of offering. Current topics offerings are used to present material not normally covered in existing courses.

MBA 633: Business Planning and Development (3)

Prerequisite: MBA 516 Strategic Management and Organizational Leadership

Internship / CPT Qualified

This course focuses on the development of new ventures and on strategic planning for new and existing organizations.

MBA 634: Operations Management (3)

Prerequisite: MBA 515 Business Statistics

Internship / CPT Qualified

This course examines the use of mathematical models in managing the operations of organizations. Techniques examined include queuing, facility planning, distribution network, and transportation models.

MBA 636: Managerial Accounting (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course is an introduction to the concepts and practices of the managerial and cost accounting. Specifically, students will be introduced to the concepts used to develop financial information for the purposes of planning, resource allocation, and financial control.

MBA 637: Business Innovation (3)

Prerequisite: MBA 516: Strategic Management & Organizational Leadership

Internship/CPT Qualifies

This course is focused on novel technological developments and ways to produce innovative products. Innovations are crucial to the business venture growth and gaining competitive advantages. The course also analyzes the risks of designing new products, issues arising in competition, and the requirements of the marketplace to novel trends. In a practical classroom environment the students will forecast market demands, study market segmentation, rate new product ideas, map customer perceptions, and review product positioning and design, as well as advertising and product testing, in order to recognize the methods employed in bringing a new product to market and eventually gaining sustainable profits from it.

MBA 638: Entrepreneurial Finance & Venture Capital (3)

Prerequisite: MBA 516: Strategic Management & Organizational Leadership

This course explores investment strategy, financial valuation, and strategic financial decisions from the start-ups phase, through the mature business phase, and eventually exiting the business by either becoming a public company or merging with or selling to other corporations. The course also analyzes different approaches to obtaining initial funding and demonstrates ways to follow the financial plan. The venture capitalists system is also discussed and examined to validate the ways for entrepreneurs to grow and create strong and substantial private ventures.

MBA 640: The Health Services System (3)

Prerequisite: None

Internship / CPT Qualified

This course provides an overview of the evolution, structure and current issues in the health care system. It examines the unique features of health care as a product and the changing relationships between patients, physicians, hospitals, insurers, employers, communities, and government.

MBA 641: Economics of Health Care and Policy (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course applies basic economic concepts to analyze the health care market and evaluate health policies. The course begins with an analysis of the demand for health, the derived demand for medical care, and the demand for health insurance. The second part of the course examines the supply of medical care by physicians and hospitals, medical technology, and the role of managed care organizations.

MBA 642: Financial Management of Health Institutions (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course focuses on the application of financial analysis to financial and operating decisions in the health care industry. Valuation methods covered include: net present value of free cash flows, decision tree analysis, real options, and multiples.

MBA 643: Legal Aspects of Health Care (3)

Prerequisite: None

Internship / CPT Qualified

This course offers a current and historical overview of the regulation of health care delivery in the US. It examines principles and practical applications of laws that affect the operational decisions of health care providers, health plans, and third party payers and managers that impact development of markets for health care products and services.

MBA 644: Basic Principles of Contract Management (3)

Prerequisite: None

Internship / CPT Qualified

This course will explore the process of documenting project purchasing decisions, specifying the approach, defining selection criteria to identify potential sellers, and putting together a procurement management plan. Emphasis will be placed on pre-award, contract award and post-award processes.

MBA 645: Contract Formation and Performance (3)

Prerequisite: None

Internship / CPT Qualified

This course focuses on the formation and administration of a contract with emphasis on common law, the Federal Acquisition Regulation (FAR), and the Uniform Commercial Code (UCC). Emphases will also be placed contract types, contracting authority, contract terms and conditions, contract changes, defaults, communication between parties, contract termination.

MBA 646: Contract Administration and Monitoring (3)

Prerequisite: MBA 644

Internship / CPT Qualified

This course describes the process of obtaining seller responses, selecting a seller, and awarding the procurement, usually in the form of a contract. Throughout this process, the team will make sure the procurement document created, monitored and change control procedures are implemented.

MBA 647: Contract Administration Process and Negotiation (3)

Prerequisite: MBA 644

Internship / CPT Qualified

This course focuses on contract award process through the identification of customer's need, solicitation planning, proposal development, source selection processes, negotiation strategies and contract award. Students will be exposed to best practices in negotiation including strategies and tactics.

MBA 648: Contracting in the Global Marketplace (3)

Prerequisite: MBA 644

Internship / CPT Qualified

In this course, students will learn current issues on how to procure and develop international contracts. The course will examine and review relevant issues in global trade and the complex legal and cultural

environments of international trade will be explored. Students will be exposed to various international bodies and conventions that apply to international contracting.

MBA 653: Nations, Politics, & Markets: A Cost Benefit Analysis (3)

Prerequisite: MBA 511 Managerial Accounting and Finance

Internship / CPT Qualified

This course is designed to introduce students to the role of risk assessment, risk perception, and risk management in non-traditional markets by studying the tools for policy evaluations in the public sector. Cost benefit analysis is the principal tool for measuring government “products” that are rarely sold. The valuation of costs and benefits by alternative means to market prices is necessary to provide guidance in avoiding wasteful projects and undertaking those that are worthwhile.

MBA 654: Accounting Information Systems (3)

Prerequisite: None

Internship / CPT Qualified

This course focuses on the analysis and design of systems that facilitate the accounting process. The students will learn how to evaluate, develop, implement and apply accounting models, processes, and internal controls used in the accounting processes. The course introduces the use of simple to complex data flow diagrams for evaluation and decision making.

MBA 656: Consulting Skills (3)

Prerequisite: MBA 513

Internship / CPT Qualified

This course is focused on the growing need for management consultants by providing students with the necessary and practical skills to be a consultant. Management consulting is the practice of helping organizations to improve their performance, operating primarily through the analysis of existing organizational problems and the development of plans for improvement. As a result of their exposure to, and relationships with numerous organizations, consulting firms are typically aware of industry “best practices”, although the specific nature of situations under consideration may limit the transferability of such practices from one organization to another.

MBA 657: Mergers and Acquisitions (3)

Prerequisite: MBA 513

Internship / CPT Qualified

This course helps students to understand the complexities surrounding mergers and acquisitions process from a consultant’s point of view. Students will learn about the strategic rationales as to why two companies either merge as equals or why one company fully acquires another. Additional focus will be placed on the following topics: the searching, screening, and evaluation process for targeting potential acquisition targets; why mergers and acquisitions often fail; synergy potential and realization; company culture differences analysis; the negotiation process; human capital (people) issues; and leadership in mergers and acquisitions transactions.

MBA 658: Strategic Human Capital Management (3)

Prerequisite: MBA 513

Internship / CPT Qualified

The purpose of this course is to enhance students’ understanding of human capital in organizations in order to assist in students’ development as an effective organizational leader. It is the student’s “people skills” that will ultimately have the most impact on their ability to have sustainable success in the workplace. This course focuses on the essential practices of human capital and how those practices impact organizational performance. This course will involve readings, lectures, and case studies.

MBA 659: Leadership and Change Management (3)

Prerequisite: MBA 516

Internship / CPT Qualified

This course aims to help students acquire new skills and competencies for understanding, managing, and leading change in organizations. In the real world, the most carefully developed plans for change can and,

often do, disintegrate during implementation, disrupting the flow of revenues and other negative economic results, but also the lives of people working in them. This is due to uncertainty: management often cannot recognize change, predict how change can be deployed, as well as the effects it produces on employees. Students will learn to understand how to approach and lead a change management process in an organization in order to control its dynamics and effects, as well as leading people to change.

MBA 660: Graduate Project Internship II (3)

Prerequisite: None

This course provides work exposure to qualified graduate students in their area of interest for their advanced research project. The objective of the course is to give students access to information and individuals that would help in the concept and/or development of their area of interest for their graduate research project. This three (3) credit hour project internship is for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

MBA 661: Public Relations (3)

Prerequisite: None

Internship / CPT Qualified

This course surveys the practice of public relations in business, nonprofit organizations, and governmental institutions. It also examines the major forms of media used in public relations: news releases, broadcast publicity, public service announcements, and institutional advertising.

MBA 662: Business and Society (3)

Prerequisite: None

Internship / CPT Qualified

This course explores the role of primary and secondary stakeholders, both within and outside organizations. Ethics and social responsibility will be investigated and where organizational activities fall within different continuums will be reviewed. The broad forces in business, society, and globalization will be examined and how stakeholders can influence the destiny of both business and society will be discussed.

MBA 663: Business Strategies and Proposals (3)

Prerequisite: MBA 516

Internship / CPT Qualified

This course provides a framework for formulating business strategies to be competitive in the federal acquisition market. It also examines the approaches for business development and effective proposal preparation. This course reviews the request for proposal (RFP) process in federal acquisition, analysis of RFPs, preparation of proposals, and reviews and follow-up actions.

MBA 664: Negotiation and Conflict Resolution (3)

Prerequisite: MBA 513

Internship / CPT Qualified

This course examines conflict negotiation in organizations. It provides a background in negotiation, mediation, ombudsmen, and investigator systems, peer review boards, arbitration, and dispute resolution. It also presents specialized concepts in managerial negotiations such as cross culturally, making effective group decisions, negotiating mergers and acquisitions, managing business integration teams.

MBA 665: Managing Organizational Change (3)

Prerequisite: MBA 513

Internship / CPT Qualified

This course evaluates the organizational change process related to the principles and practices of various types of organizations. Change processes and techniques used to facilitate change will be examined and applied to systems such as information technology, communication, policy and procedures, corporate culture, and leadership.

MBA 666: Leadership Strategies (3)

Prerequisite: MBA 516
Internship / CPT Qualified

This course will examine and analyze leadership theories and practices in today's organizational environment to include challenges of management in organizations. Emphasis will be placed on present leadership strategies to enhance both individual and corporate productivity that foster a cohesive work environment through improved employee relations.

PHIL 101: Philosophy (3)

Prerequisite: None

This course introduces the study of philosophy through the history of philosophical thought and texts. It also introduces a broad spectrum of philosophical problems and perspectives with an emphasis on the systematic questioning of basic assumptions about knowledge, meaning, reality, and values.

PHYS 101: College Physics (3)

Prerequisite: None

This course covers the principles of mechanics, heat, electricity, magnetism, optics, and atomic and nuclear physics.

PMP 605: Project Management Systems (3)

Prerequisite: None

Internship/CPT Qualified

This course emphasizes planning and introduces project management fundamentals and principles from the standpoint of the manager who must organize, plan, implement, and control non-routine activities to achieve schedule, budget and performance objectives. Topics include project life cycles, project organization, project charters, work breakdown structures, responsibility matrixes, as well as basic planning, budgeting and scheduling systems. Planning and control methods such as PERT/CPM, Gantt charts, earned value systems, project management software applications, and project audits are introduced.

PMP 610: Quality Project Management Practices (3)

Prerequisite: None

This course focuses on the quality function, its implementation, and cost as well as management in both the manufacturing and service industries. The course provides students with a set of quality concepts and tools and the knowledge required for their application in quality planning, quality improvement, and quality control.

PMP 615: Risk Project Management (3)

Prerequisite: None

This course exposes students to a variety of ways to identify, analyze, and mitigate the full range of project risks. The course also explores the six risk-management processes as outlined in the PMBOK® Guide: risk management planning, risk identification, qualitative risk analysis, quantitative risk analysis, risk-response planning, and risk monitoring and control. Using a practitioner approach, students learn risk-management techniques by applying them to problems raised in case studies.

PMP 620: Contract and Procurement Management (3)

Prerequisite: None

Internship/CPT Qualified

This course examines processes through which goods and services are acquired in the project management environment. Topics include contract and procurement strategies; legal issues; contract pricing alternatives; technical, management and commercial requirements; RFP development; source selection; invitations to bid; bid evaluation; risk assessment; and contract negotiation and administration. By the end of the course, students will have a broad overview and understanding of the procurement cycle and how it relates to contracts, projects and management.

PMP 623: Leading Projects Across Cultural, Corporate, and Global Boundaries (3)

Prerequisite: None

Internship/CPT Qualified

Emerging and evolving economies, world circumstances, and global competition require that project managers be able to lead and manage project in this challenging arena. Project Managers must operate within environments that contain diverse cultures and projects including multiple corporations crossing international boundaries. Sensitive issues surrounding multinational and multicultural environments will be addressed and discussed as factors that shape project outcomes.

PMP 625: Advanced Project Management Practices (3)

Prerequisite: PMP 605 Project Management Systems

Internship/CPT Qualified

This course examines current topics in the project management field and provides a comprehensive review of the Project Management Body of Knowledge (PMBOK® Guide). Topics may include global project management, leadership, virtual teams, and project information systems. In addition, the general overview of principles and practices of the Project Management Professional (PMP) certification exam, administered by the Project Management Institute (PMI) will be introduced.

PMP 650: PMP Exam Preparation (3)

Prerequisite: PMP 605 Project Management Systems, PMP 610 Quality Project Management Practices and PMP 615 Risk Project Management

The focus of this course is to familiarize students with both the CAMP (Certified Associate in Project Management) and PMP (Project Management Professional) exams, as administered by the Project Management Institute (PMI). The overall exam administration processes will be reviewed and each of the knowledge areas (Integration Management, Scope Management, Time Management, Cost Management, Quality Management, Risk Management, Human Resource Management, Communication Management and Procurement & Contract Management) as aligned with the process groups (Initiating, Planning, Executing, Controlling & Monitoring and Closing phases) will also be reviewed to help students understand both the application and implication concepts tested in the exams. Additionally, students will participate in practice exam sessions for CAMP & PMP aimed at providing for self – assessment of exam readiness.

PMP 698: Master Thesis I (3)

Prerequisite: Completion of at least five Core courses and Dean or academic advisor's approval.

The thesis work can comprise basic research or a practical project. Students are encouraged to start their thesis work as early as possible. Usually after completing two semesters of course work, the student will be asked to work with a faculty advisor to choose a suitable master's thesis topic and prepare a thesis proposal. Thereafter, the student completes the project and writes a thesis. The master's thesis will project will be conducted over a period of two semesters.

PMP 699: Master Thesis II (3)

Prerequisite: PMP 698 Master Thesis I

The thesis work can comprise basic research or a practical project. Students are encouraged to start their thesis work as early as possible. Usually after completing two semesters of course work, the student will be asked to work with a faculty advisor to choose a suitable master's thesis topic and prepare a thesis proposal. Thereafter, the student completes the project and writes a thesis. The master's thesis will project will be conducted over a period of two semesters.

PSYC 101: Psychology (3)

Prerequisite: None

This course examines human and animal behavior, relating experimental studies to practical problems. It includes topics such as learning, memory, motivation, stress, emotion, intelligence, development, personality, therapy, psychopathology, and social psychology.

PUAD 505: Research Methods (3)

Prerequisite: None

This course provides knowledge of research methodologies used in management information systems, information systems, information technology, computer science, and other disciplines. The course includes experimental design, surveys, case studies, and fieldwork. It introduces students to applied research

methodologies. The use of analytical tools, literature searches, and the application of VIU documentation style will result in a formal written proposal that may serve as the basis for each student's special project.

PUAD 511: Managerial Accounting & Finance (3)

(Also offered as MBA 511)

Prerequisite: ACCT 201: Principles of Financial Accounting

This course focuses on companies' sources and uses of financial resources. Students will focus on capital/debt structure decision and capital budgeting techniques, with particular emphasis on the impact of long-end short-term uses and sources of funds on the firm's value.

PUAD 512: Project & Cost Management (3)

(Also offered as MBA 512)

Prerequisite: STAT 200: Introduction to Statistics

This course focuses on the planning, organizing, and managing of resources to bring about the successful completion of specific project goals and objectives, especially within specific start and completion dates. In addition, students will learn how to adhere to classic project constraints of scope, quality, time and budget while learning the tools and techniques necessary to minimize the risk of failure in achieving the organization's goal and objectives.

PUAD 513: Organizational Behavior & HR Management (3)

(Also offered as MBA 513)

Prerequisite: None

This course focuses on how people behave in organizations and groups. Topics include leadership, motivation, organizational culture, and roles within groups.

PUAD 514: Public Policy Analysis & Implementation (3)

Prerequisite: None

This class introduces students to the basic theories, principles and processes of public policymaking. It examines the public and private environments that influence the formation of public policy, the tools and techniques utilized in public policymaking and the principal actors in the process.

The primary course objective is to provide students interested in political science, public administration and public service with an understanding of the significant issues, actors and behaviors in the development of public policy at the federal level.

PUAD 515: Administration in Public & Non-Profit Organizations (3)

Prerequisite: None

This is a survey course that will introduce students to the history, ideas and practices of public administration. This includes studies of organization, policy, law, management, public service and reform issues. Public administration study includes all three branches of government in addition to its main focus on the operation of the bureaucracy including the functions and responsibilities between all branches of government. Its study includes all levels and types of governmental bodies and increasingly non-governmental organizations.

PUAD 520: International Security (3)

(Also offered as GOVT 520)

Prerequisite: None

This course will familiarize students with some of the major theoretical issues in the study of international security, and some of the central challenges shaping current debates about security and the use of force. War and conflict have been central to international politics. The study of security investigates causes of war, strategies for avoiding conflict, and the impact of new technologies, actors, and ideas on calculations about the use of force as well as a background on the methods of peacekeeping. This course will give students a solid grounding in current theoretical issues and security challenges in the international arena, and to encourage them to think about how an understanding of these issues can help them address existing security problems.

PUAD 536: Labor Relations (3)

(Also offered as MBA 536)

Prerequisite: None

Internship/CPT Qualified

This course will introduce students to the history of the labor movement and the collective bargaining process. Case studies will be used to understand the relationship between labor and management. Students will gain practical knowledge of balancing employee needs with organizational goals. Students will learn how to effectively evaluate employee relations programs to ensure productive and positive organizational environment. Students will participate in collective bargaining activities and understand the contract negotiation process.

PUAD 538: Compensation & Benefits (3)

(Also offered as MBA 538)

Prerequisite: None

Internship/CPT Qualified

This course focuses on the design and implementation of compensation and benefit strategies to retain talented and qualified staff in the organization. The course covers the importance of financial and non-financial benefits when developing a compensation package for employees. The course will review legally required benefits as well as voluntary benefits offered by the employer. Students will learn how to evaluate compensation plans and systems to ensure they are compliant with government regulations, equitable to all staff in the organization, competitive to attract qualified employees and align with organizational goals and values. Students will gain knowledge of federal compensation tax laws, job pricing, various pay programs, and international compensation plans.

PUAD 551: Conflict Resolution (3)

(Also offered as MBA 551)

Prerequisite: None

Internship/CPT Qualified

This course gives students practical experience in resolving workplace disagreements and discourse. Students will learn how to use different models and theories on resolving conflict in the organization. Students will develop skills in negotiations, dispute resolution, communications, reconciliations and mediations.

PUAD 552: Information Systems (3)

(Also offered as CMP 552)

Prerequisite: None

This course explores the management of information systems and related information technologies (IS/IT) as a part of a broader socio-technical system and their impacts on people and processes that extend well beyond organizational boundaries. Also, subjective and debatable issues associated with IS/IT will be discussed. Accordingly, critical thinking is an important part of this course and is essential for an analysis and understanding of important issues associated with the management aspects of information systems.

PUAD 556: Database Management Systems I (3)

(Also offered as CMP 556)

Prerequisite: None

This course provides an introduction to hierarchical and relational models, normalization, query facilities, transactions, indexing, security issues, relational algebra, Structured Query Language database design stages, distributed databases, data warehousing, data and database administration, and internet database environments. Students will learn various database management systems software products and multi-user database environments and how they are controlled.

PUAD 557: Political Theory (3)

Prerequisite: None

This course is an examination of central political concepts and practices with reading from the history of political philosophy and contemporary thinkers. The course treats concepts and practices such as freedom, citizenship, equality, the state, revolution, the Socratic question of how best to lead one's life, conservatism,

and anarchism, using readings by thinkers such as Aristotle, Machiavelli, Locke, Mill, Ghandi, Arendt, Foucault, and current authors.

PUAD 558: Network and Information Security (3)

(Also offered as CMP 558)

Prerequisite: None

This course provides a broad review of the field of security of information systems. Topics include operating system models and mechanisms for mandatory and discretionary controls, data models, concepts and mechanisms for database security, basic cryptography and applications, security in computer networks and distributed systems, and control and prevention of viruses and rogue programs.

PUAD 608: Financial Reporting & Decision Making (3)

(Also offered as MBA 608)

Prerequisite: None

Internship/CPT Qualified

This course presents accounting reporting and decision making tools used in various businesses. Students will understand basic to complex financial reporting and decision making concepts and practices. Topics include the analysis of financial statements, ratio analysis, benchmarking, valuation concepts, risk, budgeting, investments, and taxes.

PUAD 610: Managing Information System Development (3)

(Also offered as CMP 610)

Prerequisite: PUAD 552 Information Systems

This course overviews the processes, methods, and techniques to plan, analyze, and design complex Information Systems, within selected existing frameworks. It involves planning, gathering requirements, modeling business needs, creating blueprints for building the system, and managing and organizing resources in these challenging, difficult, complex and expensive activities.

PUAD 611: Business Ethics & Law (3)

(Also Offered as MBA 611)

Prerequisite: None

This course examines the legal and ethical basis of decision-making in business organizations. Topics include torts, contracts, liability, and the Uniform Commercial Code.

PUAD 612: International Management (3)

(Also offered as MBA 612)

Prerequisite: PUAD 513

Internship/CPT Qualified

This course focuses on the challenges inherent in managing a workforce comprised of employees from more than one country. Particular emphasis is placed on cultural and legal differences as well as the development of programs and processes which select, motivate, train, and evaluate across national borders.

PUAD 613: Enterprise Resource Planning (3)

(Also offered as MBA 613)

Prerequisite: MBA 512 or PUAD 513

Internship/CPT Qualified

Logistics involves the integration of information, transportation, inventory, warehousing, material handling, and purchasing. All of these areas provide a variety of stimulating jobs for students interested in operations management, marketing, and information systems. Because of the strategic importance of logistical performance, any student interested in senior management will benefit from this course.

PUAD 614: Emergency Planning & Preparedness (3)

Prerequisite: None

Internship/CPT Qualified

This course introduces students to the process and practice of emergency / disaster planning. The goal is to create broad experience that includes the many elements of planning as the primary path to preparedness. Students will learn the relationship of emergency planning to the field of disaster management. Students are exposed to principles of social psychology, communication theory and approaches to public education. Students also learn the bases of incident management systems and emergency operations centers.

PUAD 615: Topics in Public Administration (3)

Prerequisite: None

The purpose of this course is to acquaint students to the major issues affecting today's administration of cities and to focus on current trends and problems for urban administrators.

PUAD 620: IT Governance (3)

(Also offered as CMP 620)

Prerequisite: PUAD 552 Information Systems

This course presents an integrated approach to information technology (IT) governance. It discusses major roadmaps components and IT Governance strategies and frameworks. Topics include strategic alignment of IT with the business, use of assets and resources, delivering on plans and commitments, establishing and/or improving accountability of constituents, managing risk and contingencies, audits, compliance, performance measures and organizational maturity.

PUAD 625: Effective Negotiations (3)

(Also offered as MBA 625)

Prerequisite: None

Internship/CPT Qualified

This course examines the theory and practice of negotiations, including strategies, legal issues, methods, and approaches.

PUAD 628: Global Sourcing & Logistics (3)

(Also offered as MBA 628)

Prerequisite: None

Internship/CPT Qualified

This course is designed to examine the complex issues that corporate executives must address in the decision-making process when considering whether or not to outsource internationally. It also examines the equally complex issues that arise once the decision is made to outsource, including how to reduce risk, thereby minimizing exposure while maximizing the opportunities for favorable outcomes and more competitive landed costs.

PUAD 630: Public & Private Partnerships (3)

Prerequisite: None

The provision of public services takes place through a variety of forms, direct government provision being only one of them. Increasingly, nonprofit and for-profit organizations, businesses, and government contractors deliver public services in partnership with government. This course will examine the role of partnerships with non-governmental organizations in carrying out important functions of public agencies. Students will get a chance to understand the advantages of such partnerships in terms of effectiveness and efficiency thanks to increased competition and administrative flexibility. The course will also highlight potential pitfalls and unintended consequences.

PUAD 634: Operations Management (3)

(Also offered as MBA 634)

Prerequisite: MBA 515 or PUAD 505

Internship/CPT Qualified

This course examines the use of mathematical models in managing the operations of organizations. Techniques examined include queuing, facility planning, distribution network, and transportation models.

PUAD 640: The Health Services System (3)

(Also offered as MBA 640)

Prerequisite: None

Internship/CPT Qualified

This course provides an overview of the evolution, structure and current issues in the health care system. It examines the unique features of health care as a product and the changing relationships between patients, physicians, hospitals, insurers, employers, communities, and government.

PUAD 641: Economics of Healthcare Policy (3)

(Also offered as MBA 641)

Prerequisite: PUAD 505

Internship/CPT Qualified

This course applies basic economic concepts to analyze the health care market and evaluate health policies. The course begins with an analysis of the demand for health, the derived demand for medical care, and the demand for health insurance. The second part of the course examines the supply of medical care by physicians and hospitals, medical technology, and the role of managed care organizations.

PUAD 642: Financial Management of Healthcare Institutions

(Also offered as MBA 642)

Prerequisite: PUAD 505

Internship/CPT Qualified

This course focuses on the application of financial analysis to financial and operating decisions in the health care industry. Valuation methods covered include: net present value of free cash flows, decision tree analysis, real options, and multiples.

PUAD 643: Legal Aspects of Healthcare (3)

(Also offered as MBA 643)

Prerequisite: None

Internship/CPT Qualified

This course offers a current and historical overview of the regulation of health care delivery in the US. It examines principles and practical applications of laws that affect the operational decisions of health care providers, health plans, and third party payers and managers that impact development of markets for health care products and services.

PUAD 665: Graduate Internship I (3 credits)

Prerequisite: Dean's Approval

The objective of the course is to provide hands-on and practical work experience in their business concentration that will give students a competitive advantage when they graduate. Students will have a chance to gain work experience in areas of their interest and gain exposure to the industry practices and key contacts for future employment opportunities. This three (3) credit hour internship is for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

PUAD 666: Graduate Internship II (3 credits)

Prerequisite: Dean's Approval

The objective of the course is to provide hands-on and practical work experience in their business concentration that will give students a competitive advantage when they graduate. Students will have a chance to gain work experience in areas of their interest and gain exposure to the industry practices and key contacts for future employment opportunities. This three (3) credit hour internship is for students who are expected to work a minimum of 135 hours during the semester. Students are required to attend two meetings/seminars with their faculty advisor to determine learning objectives and assess how well learning objectives are being accomplished.

PUAD 790: Advanced Research Project (3)

Prerequisite: A minimum of 15 credits from PUAD 505, PUAD 513, PUAD 514, PUAD 515, PUAD 608, PUAD 611

Internship/CPT Qualified

This course is designed for students to develop a project that will encompass the key elements of public administration which have been studied throughout the MPA program, culminating in the submission of a final project paper and an oral presentation in front of a panel of experts in the field that includes defense of their project.

RLGN 110: Comparative Religion (3)

Prerequisite: None

This purpose of this course is to introduce students to the diversity in religions of the world and to provide an overview of select religious traditions from around the globe. Students will learn to compare and contrast the various religions to be covered including some of the following: Christianity, Judaism, Islam, Hinduism, Buddhism, Confucianism, Taoism, and new religious traditions. Students will be able to make cross-cultural connections through an understanding of historical facts, religious institutions, and an understanding of the basic tenets and texts surrounding the religious traditions covered in the course. The course will help students develop an understanding of the influence of religion on culture, social and political systems, and personal action.

SOCI 101: Sociology (3)

Prerequisite: None

This course examines patterns in political institutions, public policy, and conflict within and between communities and interest groups.

SPAN 100: Elementary Spanish I (3)

Prerequisite: Placement or no previous exposure to the language.

This course is an introduction to Spanish grammar, structure, and use. This course uses a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language.

SPAN 105: Elementary Spanish II (3)

Prerequisite: SPAN 100 or placements

This course is an introduction to Spanish grammar, structure, and use. This course uses a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Elementary Spanish I while reinforcing production skills and vocabulary building.

SPAN 200: Intermediate Spanish I (3)

Prerequisite: SPAN 105 or placement

This course is an intermediate Spanish course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Elementary Spanish II while reinforcing meaningful and purposeful production skills and vocabulary building to emphasize communicative competence. The target language is the primary language of instruction.

SPAN 205: Intermediate Spanish II (3)

Prerequisite: SPAN 200 or placement

This course is an intermediate Spanish course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in Intermediate Spanish I while reinforcing meaningful and purposeful production skills and vocabulary building to emphasize communicative competence. The target language is the primary language of instruction.

SPAN 250: Conversational Spanish I (3)

Prerequisite: SPAN 105 or placement

This course is an intermediate Spanish course and builds upon skills learned in the elementary level. This course provides students with the basic skills and vocabulary required to communicate in a foreign language. This course expands on basic grammatical structures learned in elementary and intermediate Spanish with a focus on oral communication in the target language. The target language is the primary language of instruction.

SPAN 300: Advanced Spanish I (3)

Prerequisite: SPAN 205 or placement

This course is an advanced Spanish course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the skills and vocabulary required to communicate in a foreign language at an advanced level. Students will apply their knowledge of grammar, structure, and use to communicate fluidly and clearly in the target language in meaningful and purposeful activities designed to simulate real-world scenarios. Students will expand their communicative competence skills to be able to apply course content to a final project exemplifying their abilities. The target language is the language of instruction.

SPAN 305: Advanced Spanish II (3)

Prerequisite: SPAN 300 or placement

This course is an advanced Spanish course using a communicative approach to language learning integrating speaking, listening, reading, and writing skills. All four skills are embedded in an integrated framework that emphasizes meaningful and purposeful use of language as well as communicative competence. Besides the four language skills, practice will also be provided for higher order thinking skills, such as problem solving, and critical thinking. This course provides students with the skills and vocabulary required to communicate in a foreign language at an advanced level. Students will apply their knowledge of grammar, structure, and use to communicate fluidly and clearly in the target language in meaningful and purposeful activities designed to simulate real-world scenarios. Students will expand their communicative competence skills to be able to apply course content to a final project exemplifying their abilities. The target language is the language of instruction.

STAT 200: Introduction to Statistics (3)

Prerequisite: None

This course provides an introduction to data analysis, least-squares regression, data collection, sampling distributions and strategies, probability, confidence intervals, and hypothesis testing.



**2017-2018
ACADEMIC CATALOG
2nd Edition**

VIRGINIA INTERNATIONAL UNIVERSITY
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www.viu.edu info@viu.edu



August 19, 2019

ID Code 00023099(MC)

VIA EMAIL AND REGULAR MAIL

acicsinfo@viu.edu

Dr. Isa Sarac
President and CEO
Virginia International University
4401 Village Drive
Fairfax, VA 22030

Subject: Vacate Show-Cause Directive and Request Information

Dear Dr. Sarac:

At its August 2019 meeting, the Council considered the institution's response to the continued show-cause directive regarding the State Council of Higher Education for Virginia's (SCHEV) intent to revoke Virginia International University's (VIU) certificate to operate. In its response, the institution provided a copy of the signed Consent Agreement with SCHEV, which outlines the cessation of distance education instruction through 2022, as well as the follow-up visit to take place within six months. The institution detailed the current status of each of the 16 online students who are being accommodated either to facilitate their transition to residential programs or withdraw from their program of study, or who are scheduled to graduate. In addition, the Council noted the following:

1. While the institution is taking the appropriate steps to comply with the State's directive, ACICS has not yet been formally notified of the termination of distance education as an approved mode of educational delivery.
2. There were three students (██████████ ██████████ and ██████████ ██████████) who were working on transferring to other universities, one (██████████) who was still considering options, and one (██████████) with whom no contact has been made. Another student (██████████) was to be refunded \$2,861.98. Evidence of the refund was not provided, and a final decision on the other five students could not be made until the beginning of the fall term.

Council Action

Therefore, the Council acted to vacate the show-cause. However, the Council requests that the following information be submitted for its review:

1. A copy of the acknowledgement by ACICS of the institution's termination of its distance education activities. This acknowledgement will be provided once ACICS has been appropriately notified of the institution's completion of the teach-out.
2. A copy of the refund check issued to [REDACTED]
3. A report with supporting documentation on the final status of the other students for whom the institution did not yet have a final determination on transfer or withdrawal.

The information listed above must be received, via the existing online application in the institution's Member Center, by **October 31, 2019**. Failure to provide all information requested by the Council may result in the withdrawal of the institution's accreditation.

Please contact Ms. Perliter Walters-Gilliam at pwgilliam@acics.org if you have any questions about this action.

Sincerely,

(b)(6)

Michelle Edwards
President and CEO

- c: Ms. Cathy Sheffield, Accreditation and State Liaison, U.S. Department of Education
Ms. Nancy Gifford, U.S. Department of Education, School Participation Team, Region III (nancy.paula.gifford@ed.gov)
Ms. Sylvia Rosa-Casanova, State Council of Higher Education for Virginia (sylviarosacasanova@schev.edu)
Ms. Katherine Westerlund and Mr. James Hicks, U.S. Immigration and Customs Enforcement, Student Exchange and Visitor Program (katherine.h.westerlund@ice.dhs.gov) (james.d.hicks@ice.dhs.gov)



January 15, 2020

ID Code 00023099(MC)

VIA EMAIL

acicsinfo@viu.edu

Dr. Ahmed Alwani
Interim President
Fairfax University of America
4401 Village Drive
Fairfax, VA 22030

Subject: Acknowledgement of Receipt of Requested Information

Dear Dr. Alwani:

At its December 2019 meeting, the Council considered the institution's response to its letter dated August 19, 2019, requesting information on the winding down and cessation of all distance education activities at the institution, consistent with the Consent Agreement with the State Council on Higher Education of Virginia (SCHEV).

In addition to providing a copy of its communication to SCHEV concerning the matter, the institution provided the following documents, as requested:

1. A copy of the refund check in the amount of \$2562.00 to former student [REDACTED]
2. Withdrawal notices, institutional transfer documents, and program transfer to residential for the five other students who were previously undecided.
3. The three students completing their program through teleconferencing have since graduated on December 16, 2019, and formal acknowledgement from ACICS has been sent concerning the cessation of all Distance Education activity.

Based on the information provided, the institution has satisfied the remaining concerns, and no additional information is needed at this time. However, the institution is advised that its ongoing compliance with all ACICS standards and expectations is subject to review, including an unannounced visit, by the Council at any time.

Sincerely,

(b)(6)

Michelle Edwards
President & CEO

c: Ms. Sylvia Rosa-Casanova, State Council of Higher Education for Virginia
(sylviarosacasanova@schev.edu)





March 7, 2019

(b)(6)

SENT VIA E-MAIL ONLY

Dr. Cristina Versari
Chief Executive Officer
San Diego University for Integrative Studies
3900 Harney Street
San Diego, CA 92110

Subject: Invitation to Continue with Initial Accreditation Application

Dear Dr. Versari:

ACICS has lifted the suspension on its consideration of initial applications. Given that San Diego University of Integrative Studies (SDUIS) had previously made significant progress on its application and was in the process preparing for its full team evaluation, the institution is invited to continue with its application.

Please log into the ACICS Member Center using the username and password created during the registration process to review all the documents previously submitted to ACICS for revision and currency. The institution must submit the most recent Audited Financial Statements as the data initially reviewed and approved are outdated. Additional updated documents must be provided as necessary.

Also required at this time is the institution's completion of the ACICS Placement Verification Program (PVP) for the most recent six months of placement. The use of this system is critical for the completion of the initial Campus Accountability Report (CAR) which will be submitted later in the process. Therefore, the prompt collection of placement data, for graduate/employer verification and ACICS validation is essential. The institution can log into their PVP account via www.acicspvp.com. The login information is identical to that for the institution's Member Center username and password.

Following the review and approval of the audited financial statements, the institution will be notified when its application has moved to the next phase and what documents are required at that time. ACICS notes that the institution hosted the Initial Resource Visit on June 30, 2016, and the ACICS staff identified seven (7) areas of concern that required a response. Given that another resource visit will not be conducted, the institution must provide a narrative report on its ongoing

Dr. Cristina Versari

Page 2 of 3

March 7, 2019

compliance with all areas identified in that report. This report must be submitted via the Initial Application "Response to Initial Resource Visit Report" task. It is also noted that at the time of the resource visit, the institution offered three Ph.D., a Psy.D., and a DBA programs. ACICS has been advised that the Ph.D. and Psy.D. programs have been terminated but there is still enrollment in the DBA program. As part of its narrative report, the institution must provide details on the termination and teach out of all students in the DBA program, which must be concluded prior to the hosting of the ACICS onsite evaluation visit.

ACICS may determine that additional information is needed from the institution to demonstrate its ability to comply with ACICS standards. Additionally, ACICS may determine that the institution is unable to meet its standards in a reasonable timeframe and reject the institution's application. The institution will be advised as to when it may reinstate the initial accreditation.

ACICS is required to call for public comments on institutions applying for accreditation. Your institution's name will be posted on our Web site. Any comments received from the public or other accrediting or state agencies will be considered in the application process.

After the self-evaluation materials and supporting documents have been received and reviewed, including submission of a Campus Accountability Report via the ACICS Portal, the Initial Grant visit will be conducted by an evaluation team. The report of this visit, the institution's response to it, and any additional information received that may be relevant to the Council's consideration will be presented to the Council at its next meeting, and a decision on your institution's application will be made. The scheduling of the Initial Grant depends on the travel schedule of the Council staff and the date all application materials are received relative to the scheduled Council meetings. Each year the Council meets in April, August, and December.

The Council requires that the chief on-site administrator of an institution applying for initial accreditation attend an ACICS Accreditation Workshop prior to the Resource Visit. The next Initial Accreditation Workshop is scheduled for May 8, 2019 and given that the institution previously attended a workshop in 2015, it is necessary that you attend this upcoming session.

Appendix A of the *Accreditation Criteria* contains the ACICS Bylaws. Application for accreditation and membership in ACICS constitutes your agreement to be bound by the provisions of the *Accreditation Criteria*, including the ACICS Bylaws, as they may be amended from time to time, regardless of whether your institution becomes a member of ACICS by receiving accreditation.

Please note the assigned ID Code and use it on all correspondence sent to the Council office. If you have any questions about these procedures, please feel free to contact me at pwgilliam@acics.org, or Ms. Karly Zeigler, Manager of Policy and Institutional Compliance (kzeigler@acics.org) as we look forward to working you and the institution through this process.

Dr. Cristina Versari
Page 3 of 3
March 7, 2019

Sincerely,

(b)(6)

Center Waters-Gundam
Vice President, Accreditation

c: Mr. Michael Marion, California Bureau for Private Postsecondary Education
(michael.marion@dca.ca.gov)



San Diego University for Integrative Studies

May 02, 2019

Ms. Karly Zeigler, Manager of Policy and Institutional Compliance
Ms. Perliter Walters-Gilliam, Vice President, Accreditation
Accrediting Council for Independent Colleges and Schools
750 First Street NE, Suite 980
Washington, DC 20002-4223

Dear Ms. Zeigler and Ms. Walters-Gilliam,

Thank you for your letter of March 07, 2019, inviting SDUIS to continue with our initial accreditation application. This letter is intended to address two issues: (1) our attendance at the May 8th Accreditation Workshop, and (2) our teach-out plans for our doctoral programs.

Accreditation Workshop: We would like to schedule one of us, either Dr. Cristina Versari, CEO, or Dr. Raymond Trybus, President, for attendance at this May 8th workshop. At the moment it is not clear which of us will be best situated to attend. Please let us know next steps in this regard.

Teach-Out Plans: Here we describe plans for both our PhD/PsyD programs, and for our DBA program. In brief, we are planning to have all doctoral students completed or transferred out of SDUIS by December 31, 2019.

PhD and PsyD programs: We have discontinued admissions to these programs, but we have a total of 10 students remaining.

One student is relatively new, so we would offer her the option of either transferring to our license-eligible Marriage and Family Therapy



San Diego University for Integrative Studies

(MFT) program, or to transfer to her choice of other psychology-related programs in the state.

One of the remaining 9 students must complete 3 more courses plus the comprehensive examination and the dissertation. We believe that this is possible, on an expedited basis, by the end of this year.

The remaining 8 students require only completion of the dissertation and, in 4 cases, also the comprehensive examination. Again, we believe that, on an expedited basis, these students can complete their programs by the end of this year. Alternatively, they could opt to apply to other similar programs elsewhere, and request transfer of credits from SDUIS.

We are prepared to provide additional faculty and administrative assistance to these students, to enable their expedited program completion by December 31.

DBA Program: This is a larger challenge, as we currently have 48 students enrolled at various stages in this program.

Twenty-two (22) of these students have fewer than 12 classes remaining in their programs, including the doctoral project. We believe that these students can complete their programs on an expedited basis by December 31, 2019. We are prepared to provide additional faculty and administrative assistance to these students, to enable their expedited program completion by the end of the year.

Of the remaining 26 students, 3 do not have a master's degree in Business Administration, and thus are eligible to transfer to any of the variations of our MBA program. We would accommodate maximum transferability of their DBA coursework to our MBA requirements.



San Diego University for Integrative Studies

The other 23 students all hold the MBA degree from SDUIS or from another institution, so their only option within SDUIS would be to transfer to one of our other master's programs, including the Master of Accounting, Master of Arts in Information Technology, Master of Arts in Expressive Arts Therapy, Master of Arts in Marriage and Family Therapy, or the Master of Arts in Sport Counseling. We would accommodate maximum transferability of DBA coursework, though applicability of DBA coursework to these other master's programs would be quite limited.

Those who do not wish to transfer to one of these programs will be assisted in identifying other institutions at which they might pursue the DBA, with a request for transfer of credits from SDUIS.

Please let us know whether these teach-out plans are satisfactory, and what arrangements we need to make for one of us to attend the May 8th accreditation workshop. We also need to be reminded of our login information to the ACICS online data systems. As always, your assistance is much appreciated!

Sincerely,

(b)(6)

Cristina Versari, PhD
Chief Executive Officer



San Diego University for Integrative Studies

May 02, 2019

Ms. Karly Zeigler, Manager of Policy and Institutional Compliance
Ms. Perliter Walters-Gilliam, Vice President, Accreditation
Accrediting Council for Independent Colleges and Schools
750 First Street NE, Suite 980
Washington, DC 20002-4223

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San Diego University for Integrative Studies

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Sincerely,

(b)(6)

Cristina Versari, PhD
Chief Executive Officer

SDUIS
MESA Checklist Submission



Administrator (Perlter Walters-Gilliam)

Member Center Administration

IAP Checklist

Title

IAP50PercentClassroom	Yes
IAPAppropriateMission	Yes
IAPAwardsCredentials	Yes
IAPChecklistResult	1a
IAPComparablePrograms	Yes
IAPComplianceWithLaw	Yes
IAPConformsAcceptedPractices	Yes
IAPContactEmail	studentservices@sduis.edu
IAPCurrentEnrollmentInPrograms	Yes
IAPDateOfFirstClassStart	
IAPFinancialStability	Yes
IAPHoldsLicensure	Yes
IAPInstitutionIndependent	Yes
IAPInstitutionName	San Diego University for Integrative Studies
IAPLocatedInUS	Yes
IAPMinimumContactHours	Yes
IAPMinimumGraduates	Yes
IAPNoDebarmentByACICS	No
IAPNotUnderNegativeAction	Yes
IAPPreliminaryVisit	No
IAPRegisteredAsCorp	Yes
IAPPostSecondaryInstitution	Yes
IAPTWOYearsPrior	Yes
EmailSent	Yes
IAPOrganized	Yes
IAPOffersPrimarilyOnline	No

WorkflowStartStatus

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Last modified at 11/13/2015 7:00 PM by Chris Alechko

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