
2021-2022
ACADEMIC CATALOG
ADDENDUM
Effective SP22
WILLIAM
JESSUP
UNIVERSITY

EFFECTIVE 1/10/22
WILLIAM JESSUP UNIVERSITY

2021-2022 CATALOG ADDENDUM

William Jessup University
2121 University Avenue
Rocklin CA 95765
Phone: 916.577.2200
Toll Free: 800.355.7522
Fax: 916.577.2203

Table of Contents

Undergraduate Campus Programs

Aviation

Bachelor of Arts

Degree Requirements

Foundational Studies	67 units
Aviation major	34 units
General Education Free Electives	27 units
Degree Total*	**128 units**

Private Pilot License Pre-Requisite for Major – can be taken as electives or accomplished externally

Private Pilot Ground (AVIA130) - *not eligible for VA education benefits – 4 units*

Private Pilot Light Lab (AVIA140) - *not eligible for VA education benefits – 1 unit*

Foundational Studies & Electives

Core: 8 units

Contemporary Discipleship (LDRS152, 153, and 154)*

Christian Perspective (PHIL452)

**Students who transfer in 30 units or more toward degree will take three units of Contemporary Discipleship Praxis.*

Biblical Studies: 18 units

All programs at Jessup are based upon an 18-unit minor** in Bible and Theology, which include the following core courses:

Christian Foundations - Old Testament (BIBL101)

Christian Foundations - New Testament (BIBL104)

The Art of Interpretation (BIBL249) or Hermeneutics (BIBL349; *required for ministry majors*)

Upper Division Theology Elective

Bible electives

***Non-ministry major students who transfer in 60 units or more toward degree may elect to take nine units of biblical studies: BIBL101, BIBL104, and BIBL249.*

Communication: 9 units

English Composition (ENGL101A)

English Composition (ENGL101B)

Communication elective

Mathematics and Quantitative Reasoning: 4 units

Precalculus (MATH102)

Arts and Humanities: 9 units

At least one course from the arts and one course from humanities; topics such as literature, history, philosophy, ethics, visual and fine arts, theatre, and intercultural studies.

Social and Behavioral Science: 9 units

Aviation Law (PPOL360)

Additional 6 units must be from at least two different academic disciplines, such as history, sociology, psychology, public policy, and business

Physical and Biological Sciences: 7 units

General Physics I with Lab (PHYS100)

Meteorology for Aviation (ESCI133))

General Education Electives: 3+27 units

Upper Division Depth Elective (300+ level, outside of major)

Additional General Electives Dependent upon Major & Concentration

***Six (6) units of history is required. They can be used toward either Fine Arts/Humanities or Social and Behavioral Science.*

Aviation Major

The following courses are part of the requirement for this major and are recommended to fulfill general education requirements or must be taken as part of a student's major elective choices. See Foundational Studies above.

General Physics I with Lab (PHYS100)	4 (GE: Elective)
Meteorology for Aviation (ESCI133)	3 (GE: Physical Science)
Precalculus (MATH102)	3 (GE: Mathematics)
Aviation Law (PPOL360)	3 (GE: Social/Behavioral Science)

Core Courses

Aviation Safety (AVIA101)	3
Intro to Air Traffic Control and Airspace (AVIA102)	3
Introduction to Aviation (AVIA200)	3
CRM (Crew Resource Management) (AVIA201)	3
Basic Aircraft Systems (AVIA210)	3
Instrument Ground (AVIA230)	3
Instrument Flight Lab (AVIA240)	2
Aviation Human Factors (AVIA300)	3
Commercial Pilot Cert. Ground (AVIA330)	3
Commercial Pilot Cert. Lab (AVIA340)	2
Aviation Flight Capstone/Intern (AVIA498)	3
Upper Division Elective *(AVIA, BUS, ESCI, PHYS, MATH)*	3

Total Major Units 34

Kinesiology
Bachelor of Science

The kinesiology major offers students the opportunity to explore and engage in critical topics within the field and its related sub-disciplines, prepare for varied professional opportunities, and bring a Christ-centered perspective to the fitness, exercise, sports, and health industries. The program provides educational opportunities and a variety of practical experiences that help prepare students for a professional career and/or advanced study. Energetic, well-educated students receive instruction in a model designed to promote retention, community building, and cooperative learning.

A graduate with a BS in Kinesiology will be able to:

- Articulate the principles of kinesiology and its sub-disciplines in an academic/professional environment.
- Understand and apply protocols and processes necessary for evaluation and determination of specific requirements, corrective suggestions, and individual decision-making for specific needs implementation.
- Critically integrate redemptive Christian perspectives in theory and practice.
- Achieve and establish significant subject specific relationships.
- Demonstrate a level of skill and knowledge necessary for employment.
- Detail and analyze organizational fundamentals of athletic concepts and management.
- Define current and anticipated systems of application related to sports, health, pedagogy, and allied health.
- Analyze and evaluate the nature and cause of biomechanical injury and design and implement procedures of restoration.
- Engage in further research and documentation aspects in all core areas.
- Engage in graduate level certification, master, and doctoral degrees in related fields (i.e. teaching certification, physical therapy, medicine, and others).

Degree Requirements

Foundational Studies	69 units
General Education Free Electives	3-9 units
Kinesiology major	50-56 units
Degree Total*	**128 units**

** Concentrations within the major have variable unit requirements; therefore, to meet the minimum standard of 128 units for degree completion, the free electives are adjusted according to the chosen concentration.*

Foundational Studies & Electives

Core: 8 units

Contemporary Discipleship (LDRS152, 153, and 154)*
Christian Perspective (PHIL452)
**Students who transfer in 30 units or more toward degree will take three units of Contemporary Discipleship Praxis.*

Biblical Studies: 18 units

All programs at Jessup are based upon an 18-unit minor** in Bible and Theology, which include the following core courses:
Christian Foundations - Old Testament (BIBL101)
Christian Foundations - New Testament (BIBL104)
The Art of Interpretation (BIBL249) or Hermeneutics (BIBL349; *required for ministry majors*)
Upper Division Theology Elective
Origins (BIOL176)
Bible elective
***Non-ministry major students who transfer in 60 units or more toward degree may elect to take nine units of biblical studies: BIBL101, BIBL104, and BIBL249.*

Communication: 9 units

English Composition (ENGL101A)
English Composition (ENGL101B)
Communication elective;

Mathematics and Quantitative Reasoning: 4 units

Precalculus (MATH102)

Arts and Humanities: 9 units

At least one course from the arts and one course from humanities; topics such as literature, history, philosophy, ethics, visual and fine arts, theatre, and intercultural studies.

Social and Behavioral Science: 9 units

Introduction to Psychology (PSYC100)
Remaining courses must be from at least one different academic discipline, such as history, sociology, public policy, and business.

Physical and Biological Sciences: 9 units

Human Anatomy with Lab (BIOL225/BIOL225L)

. Introduction to Chemistry with lab (CHEM105/105L) or General Chemistry with lab (CHEM110/110L)

General Education Electives: 4 + 3-9 units

Upper Division Depth Elective (300+ level, outside of major)

Additional General Electives Dependent upon Major & Concentration

***Six (6) units of history is required. They can be used toward either Fine Arts/Humanities or Social and Behavioral Science.*

Kinesiology Major

The following courses are part of the requirement for this major and are recommended to fulfill general education requirements or must be taken as part of a student's major elective choices. See Foundational Studies above.

If you are pursuing the physical therapy/occupational therapy track within our exercise science concentration, you will have additional math and science requirements (see your advisor).

Origins (BIOL176)	3 (GE: Biblical Studies)
Human Anatomy with Lab (BIOL225/BIOL225L)	4 (GE: Physical and Biological Sciences)
Introduction to Chemistry with lab (CHEM105/105L) or General Chemistry with lab (CHEM110/110L)	5 (GE: Physical and Biological Sciences)
Precalculus (MATH102)	4 (GE: Mathematics and Quantitative Reasoning)
Introduction to Psychology (PSYC100)	3 (GE: Social and Behavioral Science)

Kinesiology Core

Foundations of Kinesiology (KINE101)	3
Biomechanics with Lab (KINE345/KINE345L)	4
Exercise Physiology with Lab (KINE353/KINE353L)	4
Senior Seminar (KINE498)	3
Nutrition: An Applied Approach (BIOL161)	3
Human Physiology with Lab (BIOL246/246L)	4
Statistics (MATH120)	3
Total Core Units	24

Kinesiology Concentrations

Students must choose a concentration listed below

Exercise Science Concentration (31 units)

Students preparing for this concentration should have successfully completed high school precalculus, biology, and chemistry which will be assessed by a placement test.

- Exercise Testing and Rx with Lab (KINE325/KINE325L) (4 units)
- Motor Development (KINE369) (3 units)
- Introduction to Organic Chemistry and Biochemistry with Lab (CHEM106/CHEM106L) (5 units)
  - or General Chemistry II with Lab (CHEM111/CHEM111L) (5 units)
- Physics for Life Sciences I with Lab (PHYS101/PHYS101L) (4 units
- Electives *(Choose 15 units; 12 units must be upper division.)*
  - Exercise and Sports Psychology (KINE315) (3 units)
  - Care and Prevention of Athletic Injuries (KINE320) (3 units)
  - Pedagogy and Leadership Principles in Kinesiology (KINE340) (3 units)
  - Essentials of Strength and Conditioning & Lab (KINE351) (4 units)
  - Exercise Leadership and Personal Training & Lab (KINE420) (4 units)
  - Principles of Biology I with Lab (BIOL101/BIOL101L) (5 units)
  - Principles of Biology II with Lab (BIOL102/BIOL102L) (5 units)
  - Nutrition and Metabolism (BIOL361) (4 units)
  - Physics for Life Sciences II with Lab (PHYS111/PHYS111L) (4 units)
  - Child and Adolescent Psychology (PSYC342) (3 units)
  - Abnormal Psychology (PSYC351) (3 units)
  - Grief and Loss (PSYC432) (3 units)

General Concentration (25 units)

This path is based on consultation with the kinesiology department to determine courses for specific career direction.

Leadership
Bachelor of Arts – ONLINE

The Bachelor of Arts in Leadership is designed to equip students for foundational leadership in a range of life settings, including the local church. This program provides a core curriculum in leadership, an embedded minor in Bible, and a concentration in apostolic theology. Moreover, the senior research experience will culminate in the development of an applied project in the capstone course.

Upon successful completion of the BA in Leadership, students will be able to:

- Articulate core leadership principles for organizations, consistent with biblical teaching.
- Demonstrate proficiency in personal leadership skills.
- Identify personal areas of spiritual, relational, and emotional growth in self-leadership.
- Apply leadership within a range of cultural contexts.
- Frame **Le**adership within a Christian worldview and ethic.
- Integrate their leadership studies into their chosen specialization.

Online Degree Requirements

Foundational Studies	43 units
Bible Core	18 units
General Education Electives	17 units
Leadership Major	42 units
Degree Total	**120 units**

Foundational Studies & Electives

Core: 6 units
Contemporary Discipleship (LDRS 352)
Christian Perspective (PHIL452)

Biblical Studies: See Bible Core in Major

Communication: 9 units
English Composition (ENGL101A)
English Composition (ENGL101B)
Communication elective.

Mathematics and Quantitative Reasoning: 3 units
Must meet Jessup MATH100 or above.

Arts and Humanities: 9 units
At least one course from the arts and one course from humanities; topics such as literature, history, philosophy, ethics, visual and fine arts, theatre, and intercultural studies.

Social and Behavioral Science: 9 units
Must be from at least two different academic disciplines, such as history, sociology, psychology, public policy, and business.

Physical and Biological Sciences: 7 units
Minimum of two courses and one lab in the biology, chemistry, and science categories.

General Education Electives:
Upper Division Depth Elective (300+ level, outside of major)
Additional General Electives Dependent upon Major & Concentration

***Six (6) units of history is required. They can be used toward either Fine Arts/Humanities or Social and Behavioral Science.*

Leadership

Bible Core (18 units)

Christian Foundations: Old Testament (BIBL101)	3
Christian Foundations: New Testament (BIBL104)	3
Biblical World: New Testament (BIBL212)	3
Hermeneutics / Art of Interpretation (BIBL349 *required for ministry specialization; BIBL249 for general leadership specialization*)	3
Romans (NT308)	3
Christian Theology (THEO451)	3
Total Bible Units	18

Leadership Major

Leadership Core

Introduction to Leadership (LDRS105)	3
Self-Leadership (LDRS210)	3
Leading Others (LDRS320)	3
Leadership Elective	3
Innovation and Leadership (LDRS470)	3
Mentorship (LDRS475)	3
Leadership Capstone (LDRS498)	3
Leadership in Global Society (ORLD430)	3
Total Core Units	24

Students must choose one specialization.

JESSUP SPECIALIZATIONS

General Specialization (18 units)

Available to Jessup Online Students who are not enrolled with a partnership

Courses in Leadership, Pastoral Ministry, Youth Ministry, Intercultural Studies, Bible, NT, OT, THEO, or specialized electives which are chosen with faculty mentor — 18

OR

Business Leadership Specialization (18 units)

Management & Organizational Behavior (BUS140)	3
Foundations for Business Decisions (BUSXXX)	3
Personal Finance (BUS242)	3
Project Management Tools & Techniques (BUS351)	3
Electives (Choose Two)	***6***
Marketing (BUS320)	
Human Resource Management (BUS382)	
Leadership & Justice (LDRS303)	
Nonprofit Leadership (LDRS360)	

BETHEL PARTNERSHIP SPECIALIZATIONS

The following Specialization Cohort is offered online through a Specialized Partnership Program with Bethel Tech. Traditional online students must get approval from their Success Coach to select one of these Specializations. Courses in the partnership are delivered in a cohort model and students will need to plan accordingly with their Success Coach:

Worship Specialization Cohort (18 units)

The following courses are part of the requirement for this major and are recommended to fulfill general education requirements or must be taken as part of a student's major elective choices.

Music Theory 1 (BMC108)	3 (GE: Fine Arts)
Music Theory 2 (BMC109)	3 (GE: GE Electives)
Ear & Instrument Training 1 (BMC104)	3 (GE: GE Electives)
Ear & Instrument Training 2 (BMC105)	3 (GE: GE Electives)

Worship Specialization Cohort

Biblical Foundations in Worship (BMC101) (3 units)
Spiritual Formation in Worship (BMC102) (3 units)
Worship Fundamentals (BMC103) (3 units)
Worship Lab 1 (BMC106) (# units)
Worship Lab 2 (BMC107) (3 units)
Fundamentals of Music & Business (BMC110) (3 units)

Certificate Programs

Continuing Education – ROCKLIN, ON CAMPUS

Certificate in Church Leadership – Casa Latina

Continuing Education / Professional Development (no college credit)
Unidades de educación continua, no es para crédito
Delivered in Spanish

- El llamado del líder (The Call of the Leader) (LDRS1105)
- La vida espiritual del líder (The Spiritual Life of the Leader) (LDRS1332)
- La vida personal del líder (The Personal Life of the Leader) (LDRS1500)
- El líder y la comunicación (The Leader and Communication) (LDRS1521)
- El líder y el conflicto (The Leader and Conflict) (LDRS1561)
- El líder y los equipos (The Leader and Teams) (LDRS1320)

Undergraduate Certificates – SAN JOSE, ON CAMPUS

Certificate in Addiction Studies

Upon completion of the 30 units of coursework in Addiction Studies, students are qualified to sit for the California Alcohol/Drug Counselor Associate exam. Requirements to sit for the exam include 315 hours of specified course work and 255 hours of field practicum. The following courses at Jessup have been identified by the California Certification Board of Alcohol/Drug Counselors as meeting these requirements.

This certificate may be earned independent of other course work or as a part of the Bachelor of Science in Psychology.

Addiction Studies Certificate Requirements

Introduction to Addiction in Society (PSYC170XL)	3
Human Services (PSYC270XL)	3
Group Counseling (PSYC322XL)	3
Assessment and Treatment Strategies (PSYC370XL)	3
Counseling of Addictive Behavior (PSYC371XL)	3
Professional Treatment Skills (PSYC460XL)	3
Treatment of Chemical Dependency (PSYC470XL)	3
Physiology and Psychopharmacology (PSYC471XL)	3
Practicum in Addiction Studies I and II (PSYC475c and d)	6
Total units for Certificate	30

Undergraduate Certificates – ONLINE, ON CAMPUS

Criminal Justice Certificate

Introduction to Criminal Justice (CJUS100)	3
Corrections (CJUS101)	3
Criminology (CJUS300)	3
Police & Society (CJUS320)	3
Total units for Certificate	12

Healthcare Administration Certificate

Pre-requisite: Medical Terminology (BIOL109)

Introduction to Healthcare Administration (HCAD130)	3
Issues and Trends in Healthcare (HCAD250)	3
Introduction to IT for Healthcare (HCAD310)	3
Healthcare Marketing (HCAD325)	3
Total units for Certificate	12-15

Project Management Certificate

Project Management Tools and Techniques (BUS351)	3
Project Cost and Budget Management (BUS352)	3
Project Quality Management (BUS355)	3
Project Risk Management (BUS354)	3
Total units for Certificate	12

Certificate in Biblical Studies

Christian Foundations: Old Testament (BIBL101) or Theology of Hebrew Bible (THEO340)	3
Christian Foundations: New Testament (BIBL104) or Theology of New Testament (THEO360)	3
Hermeneutics (BIBL349)	3
Biblical World View: Hebrew Bible (BIBL211) or Biblical World: New Testament (BIBL212)	3
Biblical Studies Elective	3
Total units for Certificate	12

Certificate in Biblical Studies & Theology

Christian Foundations: Old Testament (BIBL101) or Theology of Hebrew Bible (THEO340)	3
Christian Foundations: New Testament (BIBL104) or Theology of New Testament (THEO360)	3
Hermeneutics (BIBL349)	3
Theology Elective	3
Biblical Studies Elective	3
Total units for Certificate	15

Certificate of Ministry

Christian Foundations: Old Testament (BIBL101) or Theology of Hebrew Bible (THEO340)	3
Christian Foundations: New Testament (BIBL104) or Theology of New Testament (THEO360)	3
Hermeneutics (BIBL349)	3
Self-Leadership (LDRS210)	3
Leading Others (LDRS320)	3
Total units for Certificate	15

Certificate in Theology

Christian Foundations: Old Testament (BIBL101) or Theology of Hebrew Bible (THEO340)	3
Christian Foundations: New Testament (BIBL104) or Theology of New Testament (THEO360)	3
Hermeneutics (BIBL349)	3
Christian Theology (THEO451)	3
Theology Elective	3
Total units for Certificate	15

Graduate Certificate Programs

Offered Online

Graduate Certificate in Leadership

Personal Life of the Leader (LDRS500)	2
Strategic leadership Foundations (LDRS501)	2
Transformational Leadership (LDRS513)	2
Diversity and Global Leadership (LDRS530)	2
Two Core Leadership Courses	4
Total units for Certificate	12

Graduate Certificate in Ministry

Hearing God (MIN530)	2
Spiritual Disciplines (MIN531)	2
Justice & Mission (MIN551)	2
Church Life & Leadership (THEO586)	2
Leadership: Vocation & Calling (THEO680)	2
Core Leadership Course	2
Total units for Certificate	12

Graduate Certificate in Executive Coaching

Introduction to Coaching (LDRS502)	2
Building a Coaching Toolbox (LDRS503)	2
Coaching for Leaders & Managers (LDRS562)	2
Coaching for Change (LDRS670)	2
Supervised Coaching Practicum (LDRS675)	2
Core Leadership Course	2
Total units for Certificate	12

Graduate Studies

School of Business

Master of Science in Computer Science (MSCS)

The Master of Science in Computer Science program at San Jose is for students who are interested in both technology and business management aspects of technology. The program is taught within a Christ-centered environment. Graduates from this program will learn the foundations of computing with the latest computing technology. The program is designed to prepare students with the latest computing and technology knowledge. It enables them to function with agility in the three main areas of Computer Sciences: Programming & Software Development, Software Engineering, and Data Intelligence & Security. With the business management training, students will be able to be project managers and technology leaders.

Each class is a 7-week course. Class meetings are held two weekends during these seven weeks. Each weekend class consists of a Friday evening and a full Saturday.

Program Outcomes

Upon successful completion of the MS in Computer Science, a graduate will be able to:

- Analyze different data structures and algorithms for particular domain of problems
- Understand the different algorithms involved in data science, and how data is cleansed, analyzed and how patterns are derived
- Understand modern software engineering concepts, techniques, practices, and tools, and will be able to apply them to the development of complex software systems.
- Demonstrate advanced knowledge and skills in these four fields of databases, data science, distributed systems and artificial intelligence.
- Communicate effectively both orally and in writing on these four fields.
- Articulate an understanding of social, professional, ethical (based on Judeo Christian biblical concepts), legal and security issues in computing.
- Embrace lifelong learning and exhibit the knowledge, skills and attitude for adapting to new environments and technologies.

The MSCS program is designed for students who are interested in applying what they learn while they are attending classes. This program enables students to get a first-hand experience in the field they are pursuing and to apply and practice their academic knowledge in real terms.

Admission Requirements

Basic full admission requirements into the program are consistent with the graduate studies policies already established by the University. They include:

- Verification of a baccalaureate degree from a regionally accredited institution
- University application form
- Two personal reference forms
- Undergraduate GPA of 3.0 or better

Additional requirements for the MSCS program include:

- Verification of a Bachelor's degree in computer science or equivalent
- A comprehensive and working knowledge of two programming languages (e.g. Java, Python, C and C++, etc.). Prefer at least two years of programming.
- Comprehensive mastery of an operating system (e.g., Windows), skills in navigating the Internet, using computer tools such as word processors, file and document processing, spreadsheets, etc.
- The students need to take two programing prerequisite courses if they do not qualify and pass the placement test (Online test through third party)

Graduation Requirements

Graduation requirements from the program are consistent with the graduate studies policies already established by the University. They include:

- Successful completion of all prescribed courses and program requirements
- A 3.0 cumulative GPA (or better) associated with all graduate-level courses
- Computer Science major requirements: 36 units
- Business/IT Education: 6 units

Program Structure

There are three semesters per year, Spring, Summer and Fall. Each semester consists of two 7-week terms. A computer science course is taught per term. The program is a cohort-based structure. This means each group of students (called a cohort) follows a given set of classes to take. Within that 7-weeks, there are two assigned weekend on-ground classes which are mandatory for attendance. Each weekend class starts on Friday from 6.00 pm to 10.00 pm. On Saturday, it starts from 8.30 am to 5.30 pm.

Students are required to be in an internship to relate the practical work experience with their learning from the program.

Pre-Requisites

(Students must provide transfer work for the prerequisites or may complete these courses as part of their program. Student may also prove knowledge through testing. After acceptance, please contact department for details.)

Java (CSCI501)	3
Python (CSCI502)	3

Program Requirements

Web Stack (CSCI 515)	3
Secured Systems (CSCI 540)	3
Software Engineering (CSCI 552)	3
Operating Systems (CSCI 555)	3
Data Structures and Algorithms (CSCI 561)	3
Data Science (CSCI 565)	3
Mathematical Methods (CSCI 572)	3
Cryptography (CSCI 573)	3
Database Systems (CSCI 580)	3
Project Management (BUS 681)	3
Any two (2) from the following courses:	6
Mobile Computing (CSCI 510)	
Computer Networking (CSCI 525)	
Foundations Artificial Intelligence (CSCI 530)	
Distributed Systems (CSCI 560)	
Programing Languages (CSCI 570)	
Innovation and Technology (BUS670)	
Managing Business Analytics and Artificial Intelligence (BUS 671)	
Managing Enterprise Risks and Cybersecurity Analytics (BUS 672)	
Information Technology Management (ERP, CRM and BI) (BUS 673)	
Customer Relations Management (BUS 674)	
Management Engineering and Design Strategy (BUS 675)	
Seminars/Special Topics in Knowledge Management (BUS 676)	
Total Program Units	36

The International MSCS program has project assignments at offsite locations that are required for CPT

Alternative Work Study/Internship

Graduate programs at WJU are designed for working professionals focused on career advancement and to prepare students entering the workforce. The knowledge and skills learned throughout the curriculum are directly applicable in the industries to which students are associated. Professional work experience is integral to the established curriculum. Each course in graduate degree programs has multiple applied projects and work-related assignments. WJU requires all students enrolled in graduate degree programs (MBA, MSCS and MAcc) to demonstrate applied use of the curriculum in their respective jobs. These experiences allow students to further develop their skills and maximize their potential career opportunities or advancement upon graduation.

All internships require prior School approval. A student's internship experience must relate to the program of study. To fulfill the integration of practical training experience into all phases of graduate degree programs, F-1 students must request to be approved for Curricular Practical Training (CPT) authorization to participate in off-campus internships (paid or unpaid). An F-1 student must be authorized by WJU's Designated School Officials (DSO) prior to beginning an alternative work study/ internship. For more information on how to apply and when to apply, students should contact the International Student Office. DSOs can point students to resources to help them meet SEVP requirements without jeopardizing F-1 status.

Course Descriptions

CSCI 500. Java (3)

This course is to prepare the students to learn the foundations of Java. The student will gain extensive experience in writing, designing, and compiling, object-oriented designs. This will enable them to have knowledge of possible implementation dependencies. It is intended to let application developers write once, run anywhere, meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.

CSCI 502. Python (3)

Python is a high-level OOP programming language. It has been one of the most popular programming languages of recent years and has many areas of application from web applications to machine-learning and data science.

This course is designed to teach students to program in Python in a practical and hands-on manner using industry-standard methods, tools, and technologies. It not only teaches students the Python programming language but also improves their algorithmic thinking and problem-solving capabilities so that they can write code that works and produces the desired functional results. Giving students enough well thought coding exercises ensures this.

CSCI 510. Mobile Computing (3)

An introduction to mobile computing with a strong emphasis on application development for the Android operating system. This course covers software mobile application development, its architecture and lifecycle, as well as its inherent design considerations. Students will learn about mobile resources, activities, views, layouts, and intents in addition to interacting with the location based services, messaging services, multimedia interfaces, and sensors available on the mobile device. Topics will include the Android development environment, user interfaces, activities, intents, content providers / content resolvers, services, broadcast receivers, persistence, MBaaS, location, sensors, graphics, and other Android features, tools, and capabilities.

CSCI 515. Web Stack (3)

This is a practical introduction to web construction from the frontend to the backend. This is usually referred to as full-stack development. In this course JavaScript is the language for both frontend and backend development. Students will be exposed to different web architectures and frameworks. JavaScript on the frontend will be used for high interactivity while JavaScript in the backend will interact with the environment – files and databases, and other sites.

CSCI 525. Computer Networking (3)

Introduction to wired/wireless network principles, organization, topologies, hardware, applications, and protocols in the context of the Internet protocol stack. Configuration and implementation of local area networks and intranets. Utilization of Internet protocols, packet forwarding, and routing. Use of Wireshark for hands-on interaction with network protocols.

CSCI 530. Foundations of Artificial Intelligence

Provides a study of the field of artificial intelligence in the areas associated with machine learning, generative modeling, network simulation, language processing and object recognition. Provides a survey of the various software architectures and projects related to the use and application of artificial intelligence.

CSCI 540. Secure Systems (3)

Covers the foundations of operating systems and network systems in the context of security. Examine network security protocols and use of network and OS tools. Covers the management of systems and current set of both open source and commercial tools to secure the system.

CSCI 552. Software Engineering (3)

This course focuses on providing software development skills, systems engineering, customer collaboration, and management skills necessary for leadership in software uengineering. It examines the life-cycle development of software systems and the development models including such emerging trends as software-intensive systems of systems, high assurance, agile methods, COTS integration, mobile and distributed network-centric architectures, and rapid software development and evolution. The program includes experience in real-client class projects and evaluation assignments. Performance engineering and metrics are discussed.

CSCI 555. Operating Systems (3)

This course examines the four main abstractions for an operating system. These are process, memory, storage and network programming. A number of practical simulations on these four abstractions are examined. For process abstraction topics on threads, multiprocessing and distributed processing are distributed.

CSCI 560. Distributed System (3)

Provides the examination of various components of software infrastructure required for distributing computing. Examines network protocols and API supporting this paradigm. Examines the necessary requirements of fault-tolerance, synchronization, consistency and security.

CSCI 561. Data Structures & Algorithms (3)

Provides the core principles of computer science: algorithmic thinking and computational problem solving. Techniques for the design and analysis of efficient algorithms, emphasizing methods useful in practice. Topics include divide-and-conquer, randomization, dynamic programming, incremental improvement, and complexity.

CSCI 565. Data Science (3)

This is an introductory class on the use of R for doing Data analysis, Modeling/statistics and prototyping. The focus in on techniques for data analysis and presentation of the analysis in useful visualization forms. Techniques and algorithms (including machine learning) are used for finding meaningful patterns. Looks into the combination of mathematics, statistics, programming, and the context of the problem to come up with different insights. Also deals with the issues of clean data.

CSCI 570. Programing Languages (3)

Provides the fundamental concepts of programming languages. Introduction to functional languages like scheme, and functional aspects in procedural languages like Python. Introduction to language interpretation and a possible implementation of a language parser.

CSCI 572. Mathematical Methods (3)

Machine learning and AI are built on mathematical principles like Calculus, Linear Algebra, Probability, Statistics, and Optimization. This course covers the required mathematical methods used within the field. The course provides a practical hands-on approach to working with data and applying the mathematical techniques. Topics include linear algebra, multivariate calculus, eigenvalues and eigenvectors, Principal Component Analysis (PCA), a fundamental dimensionality reduction technique and other relevant topics within Computer Science.

CSCI 573. Cryptograph (3)

This course focuses on the mathematical and programming techniques involved in secure information and communication techniques. This is a

hands-on approach. This means learning how to program and use these deterministic algorithms. The necessary mathematical methods based on number theory are discussed.

CSCI 580. Database Systems (3)
Provides the concepts and theory of database management systems. Topics include database system architectures, data models, query languages, conceptual and logical database design, physical organization, and transaction management. The entity-relationship model, relational model and object models are examined.

BUS670. Innovation and Technology (3)
This course provides an in-depth introduction to global leadership and its development and to fostering innovation and global change. Through assessments and behavioral simulations, it prepares students to do global work effectively in a complex context with people from various cultures. Develops technology strategies through a qualitative (scenario and strategy map-based) and a quantitative (decision analysis and option theory-based) approach for technology portfolio planning and management. It provides practical, stimulating, and easy-to-use methods for realistic applications.
Prerequisite: *Graduate standing and restricted to Business - MBA majors only*

BUS 671. Managing Business Analytics and Artificial Intelligence (3)
This course is designed to provide knowledge and skills about business analytics, optimizing the structure and benefits of information systems, and building data architectures that regulate data warehousing and processing. Students will learn about the tools, methods, applications and analytical solutions that support decision making and effectively increase the financial and operational performance of a firm. This course also covers data mining which uses varying tools/languages based on SQL and Python.

BUS 672. Managing Enterprise Risks & Cybersecurity Analytics (3)
This course covers the importance of establishing and maintaining a digitally safe workplace through best practices. It highlights the critical impacts and risks of weak/unsecured platforms. Students will learn to identify and analyze risks that occurs through internal or external attacks. They also learn about latest frameworks that enable integrating the most secure solutions to prevent vulnerability and hacking breaches. This course assesses the pros/cons of various cybersecurity systems as well as the long term ROI of these systems.

BUS 673. Information Technology Management (3)
Information Technology Management (ERP, CRM and BI): This course covers the importance of the intelligent platforms like SAP as an Enterprise Resource Management; COGNOS as a Business Intelligence Software; Salesforce as a Customer Relations Management; Watson as an Artificial Intelligence platform and many other software that moved knowledge management into Digital Business Intelligence. The students will learn how to develop complex operation processes into a soft service oriented business approach.

BUS 674. Customer Relationship Management (3)
The students will learn about the importance of Customer Relationship Management (CRM) concept and platform through understanding the purpose, the reasons, and the strategies behind using it. The students will learn how to use the behavioral and descriptive information of the customers to better support them. In this course, students will study the benefits of connecting the marketing, sales and the operations forces through one platform to optimize customer satisfaction. Through different techniques, tools, and strategies, this course covers the best scenarios to becoming very oriented toward customer intelligence which supports managing the critical customer information. Learning CRM will connect forces from all departments to better design and understand the profile of the customer and be able to customize services and products accordingly. This course is an addition to the science of using technology to boost integrated information collected from the customer and the practice they will use to increase retention and work on competitive advantage. The students will have exposure to different types of CRM systems. Which will allow them to understand what makes one system better than the others and what is the selection criteria to chose a CRM solution for an organization.

BUS 675. Management Engineering and Design Strategy (3)
In this course, the students learn about the importance of the different management practices used to optimize efficiency of Information System; the effectiveness of the process design in restructuring the enterprise architecture; and the benefits of Computer-Aided Software Engineering (CASE) integration in the enterprise strategy. In addition, they will study how to assess technology needs in the era of the Internet of Thinks (IOT), Cloud Computing, Big Data and Blockchain revolution in order to adopt an agile Innovation Management to maximize customer satisfaction, resources management, and technology effectiveness.
Prerequisite: San Jose MBA Program Concentration Only

BUS676. Seminars/Special Topics in Knowledge Management (3)
In this course, the students will learn about the different types of Knowledge and its ways of transition. It covers the dynamics of creating, storing and sharing the knowledge with others. In addition, at this course, the students will have a deep understanding of the tacit/implicit and explicit knowledge and how it is reused. The students will learn about the technologies and methods that are currently used to share knowledge and to build a knowledge management culture in an organization. One of the outcomes of this course is teaching the students how to transform information management to knowledge management and benefit from it in the world of data analytics, machine learning, and artificial intelligence. The course takes both a strategic and practical approach to the core issues organizations face in understanding and determining the application of Knowledge Management. The course is designed to deliver the tools for the MBA student to apply immediately in their business roles outside of the university. In the course, the student will participate in open discussion, group activities, and topical research and reporting.
Prerequisite: San Jose MBA Program Concentration Only

BUS681. Project Management (3)
This course analyzes the importance of assessing strategic and operational aspects in a project from a biblical perspective. Quantitative methods explore a variety of current project management software which includes project selection, planning, scheduling, budgeting, monitoring, evaluation, and control. Qualitative methods include project staffing, organization, and team building. An emphasis is placed on the Project Management Body of Knowledge (PMBOK®), considered to be the industry standard by the Project Management Institute (PMI®).
Prerequisite: *Graduate standing and restricted to Business - MBA majors only*

School of Psychology

CAMPUS and ONLINE SYNCHRONOUS (Online Available for California Residents Only)

Master of Arts in Counseling Psychology (MACP)

General Information

The Master of Arts in Counseling Psychology prepares students having an interest in the mental health professions with a firm foundation of psychological theory, research, spiritual formation, and preparation as practitioners. It prepares students for the challenges of the mental health profession by applying current psychological theory integrated with biblical principles throughout the curriculum. Instructors are scholars and practitioners, offering both academic and practical guidance. Built on a cohort model, the program facilitates long-term relationships, supportive growth, and guided professional development. The program is carefully designed to meet California state requirements for the Marriage and Family Therapy (MFT) and the Licensed Professional Counselor (LPCC) licenses.

The MA in Counseling Psychology is a graduate degree that prepares students for counseling of individuals, couples, children, and families; consulting; agency affiliations; church/ministry affiliations; and doctoral preparation. It is approved by the California Board of Behavioral Sciences.

Program Learning Outcomes

Upon completion of the Master of Arts in Counseling Psychology, candidates will be able to:

- Apply diagnostic assessment and criteria to the prognosis and treatment of mental disorders.
- Understand and implement ethical decision-making in the practice of psychotherapy.
- Apply theoretical concepts to therapeutic issues and developmental challenges in individual, couples, family, and group therapy.
- Understand the various research methodologies and their applications.
- Recognize the complexity of cross-cultural issues and the interventions that address these challenges.
- Evaluate approaches to the integration of psychology and Christianity and how they impact personal spiritual formation.

This is a 63-unit program, offered over 26 months with fall and spring start dates. Courses are eight weeks in length.

***Enrollment in MACP courses is open to MACP students only*.**

Program Mission Statement

The MACP Program at William Jessup University seeks to develop therapists who demonstrate the knowledge, heart and skills needed to facilitate growth and healing in people of all ages and backgrounds.

Program Theme Verse

“The Heart of a person is like deep waters, and a person of understanding draws them out.” - Prov. 20:5

Emphasized Themes Throughout the Program

Spiritual Formation

All of life is spiritual. And thus human biological, psychological, cultural and social forces that act upon human lives and development are in their deep structure, spiritual forces. These forces are formative. They shape human life, and functioning. Thus throughout the program, invitations will be given to reflect upon all of the forces that act upon human life, and the shape and quality of spirituality that they produce. Although there may be many ways to measure and evaluate human spiritual formation, attention will be given to Jesus’ love command as a prompt to consider our training in learning how to love. Jesus summarizes of all of the Law and the Prophets when he commands humanity to “Love God with all of our heart, soul, mind and strength, and to love our neighbor as our self.” Thus students can expect to have readings, discussions, and assignments that would reflect a spiritual formation emphasis throughout their academic program.

Integration of Faith & Learning

Furthermore, as a Christian institution of higher education, the MACP Program at William Jessup University endeavors to offer a perspective on counseling psychology that reflects the integration of faith and learning. Or better stated, students will be presented with robust presentations of the best psychological research and findings about human nature and functioning in its many forms and complexities. And these contemporary psychological findings will be evaluated from many perspectives, not the least of which that include a robust, Judeo-Christian understanding of human nature and functioning. Thus each student, in every course, will be invited to reflect upon the relationship of psychology to the Christian faith, and other spiritual perspectives. This multidisciplinary perspective will emphasize a deep, reflective, and developing capacity to integrate faith and reason, higher learning and love, empathy and action.

Theory & Practice (or Reflective Praxis)

It has been said that "there is nothing more practical than a good theory." MACP students will be given opportunities to reflect on psychological theories, and then to practice them. Using their skills in practice, students will then be given the opportunity to critically reflect on those theories once again, and thus contribute to the ongoing development of theory refinement, and reflective praxis. Thus the MACP Program does not offer a "one size fits all," nor "cookie cutter approach" to understanding human nature, counseling psychology, nor the treatment of psychopathology.

Rather students will develop an approach to counseling psychology that: honors the complexity of human nature, human persons, diverse cultural perspectives, and the many obstacles that impede growth in wisdom and human flourishing. They will also be offered course content developed upon empirically supported research, and robust theories and therapeutic practices that are widely acknowledged to not only alleviate some psychopathology at a point in time, but also to have a positive impact on the whole person throughout a lifetime. These include assisting a client to: identify realizable goals and facilitate their realization; develop meaning and purpose for their life, career, and relationships; cultivate palpable growth in human relationships; and develop resilience through suffering that leads to human transformation.

The MACP program trains students to embody sound theories in reflective practice, and to utilize treatment interventions that reflect a focus on the whole person before them. Students will learn not simply to reduce negative psychological symptoms, but to facilitate the development of flourishing human persons.

Coursework Requirements

***Enrollment in MACP courses is open to MACP students only*.**

The MACP Program Courses can be organized around the following 4 themes. Each student will take every course under each theme, with the exception that they may choose one of the two electives that are offered, as stated below, under Theme II.

The 4 'Graduate Counseling Psychology Training' Themes That Organize Our Course Offerings Are:

I. Psychological Theory; & Reflective, Empathic, & Ethical Practice:	
Essential Counseling Skills and Treatment Planning (PSYC530)	3
Advanced Personality Theory and Individual Therapy (PSYC531)	3
Law and Ethics (PSYC560)	3
II. Relational Systems, Human Development, Psychopathology, & Treatment Techniques:	
Family Systems Therapy (PSYC520)	3
Child/Adolescent Therapy and Abuse Reporting (PSYC521)	3
Couples, Marital Therapy and Domestic Violence (PSYC522)	3
Life Span Development/ Aging & Long-Term Care (PSYC540)	3
Psychopathology (PSYC550)	3
Group Therapy: Theory & Practice (PSYC630)	3
Electives (choose one):	3
Advanced Child Therapy (PSYC621)	
Advanced Marital Therapy (PSYC622)	
III. Measurement, Assessment, Research, & Practicum:	
Practicum I (PSYC675a)	3
Practicum II (PSYC675b)	3
Practicum III (PSYC675c)	1
Practicum IV (PSYC675d)	2
Research Methods (PSYC690)	3
Assessment Measures and Techniques (PSYC691)	3
IV. Special Topics:	
Crisis, Trauma & Community Mental Health (PSYC523)	3
Career Development and Career Counseling (PSYC575)	3
Addictions Theory and Therapy (PSYC631)	3
Human Diversity (PSYC641)	3
Human Sexuality (PSYC642)	3
Psychopharmacology (PSYC680)	3
TOTAL	63

Course Descriptions

PSYC520. Family Systems Therapy (3)

This course builds upon concepts learned in PSYC 521: Child & Adolescent Therapy, and provides a deeper understanding and mastery of theoretical approaches and interventions to treatment involving families. Various treatment models of family therapy will be presented and practiced, with special attention to attachment-based, systems-based, and affect regulation based interventions.

PSYC521. Child & Adolescent Therapy and Abuse Reporting (3)
This course provides an overview of issues and therapeutic methods relevant to the treatment of children and adolescents. Students will learn and identify assessment strategies, compare and contrast major theoretical approaches to treating children and adolescents, and apply various treatment methods for common childhood mental health issues and complex child and adolescent psychopathology. Students will learn how to respond to legal and ethical concerns in treating minors, including mandated child abuse reporting.

PSYC522. Couples and Marital Therapy, & Domestic Violence (3)
This course covers assessment, diagnosis, and intervention strategies for individuals, couples, and families according to the systemic application of psychodynamic, humanistic, communication, experiential, and integrative models. Sociocultural issues are addressed as they relate to the development of the field as well as assessment and intervention.

PSYC523. Crisis, Trauma & Community Mental Health (3)
Students are introduced to foundational and science-informed theories and principles for practice in crisis, trauma psychology, and community mental health. Attention is directed to an examination of multicultural competence, trauma risk reduction, and trauma intervention. Topics to be discussed include PTSD, post traumatic growth, resilience, vicarious trauma, and healthy self-care practices for helping professionals and first responders. The course will also briefly survey interpersonal trauma (including child abuse and partner and spousal abuse), medical trauma, as well as natural and humanly caused disasters.

PSYC530. Essential Counseling Skills & Treatment Planning (3)
This course is designed to provide students with a broad overview and understanding of foundational counseling skills and treatment planning skills needed as Licensed Marriage and Family Therapists (LMFT) and Licensed Professional Clinical Counselors (LPCC). Students will examine various theoretical approaches to therapy, learn and practice effective counseling techniques and develop clinical treatment plans for a wide array of mental health issues across diverse populations.

PSYC531. Advanced Counseling Theory and Individual Therapy (3)
This course emphasizes application as it examines the classic counseling theories as well as mainstream contemporary theories in individual psychotherapy. It also introduces systems theories as well as treatment planning strategies as they relate to various theories and mental health conditions.

PSYC540. Life Span Development / Aging & Long-Term Care (3)
This course provides a comprehensive overview and analysis of human development across the lifespan of the individual, from birth to death, with emphasis on the clinical relevance for Licensed Marriage and Family Therapists (LMFT) and Licensed Professional Clinical Counselors (LPCC). Students will examine, analyze and synthesize the biopsychosocial/spiritual theoretical underpinnings of human development and diversity. The course will include an in-depth overview of geropsychology with special emphasis on aging, long-term care and elder abuse reporting.

PSYC550. Psychopathology (3)
This course covers the main categories of psychopathology as presented in the DSM-5. This includes the polythetic diagnostic criteria for DSM-5 diagnoses, decision making trees for differential diagnosis, some controversial issues inherent in labeling and diagnosing, brief summaries of the research on treatment of these disorders, and tools for the evaluation of the diagnostic and treatment approaches from a Christian World View. In addition, formats for Diagnostic Interviews, including the Mental Status Exam, will be covered.

PSYC560. Law and Ethics (3)
This course examines the legal, ethical and professional responsibilities relevant to the practice of Marriage and Family Therapy (MFT) and Licensed Professional Counselors (LPC). This includes state legal mandates, professional ethical codes and liabilities. The complimentary yet distinct responsibilities of moral, ethical and legal perspectives will help the student with ethical decision making strategies for the mental health practitioner.

PSYC575. Career Development & Career Counseling (3)
This course prepares MACP students to address the intersections of career, values, and life roles in the context of career development, career counseling and responding to career and work-related issues for majority and marginalized groups. Students will gain core knowledge of major career development theories, techniques and their application to providing career counseling to diverse populations. Students will examine the significance of work in clients' lives and their mental health (i.e., psychology of work) as well as the implications of socio-cultural factors on career development, work transitions, and the human career counseling process over the life-span. Students will gain experience with career counseling assessments and resources; and become familiar with current career development literature as the topics pertain to the practice of MFT/LPCCs.

PSYC621. Advanced Child & Family Therapy (3)
This course builds upon concepts learned in PSYC 521: Child & Adolescent Therapy and PSYC 520: Family Systems Therapy, providing a deeper understanding and mastery of theoretical approaches and interventions to treatment involving children, adolescents and families. Various treatment models of child and family therapy will be presented and practiced, with special attention to attachment-based and cognitive-based interventions.

PSYC622. Advanced Couples and Marital Therapy (3)
This course continues the study of the assessment, diagnosis, and treatment of individuals, couples, and families using interactional and brief models. Major theoretical approaches covered include strategic, structural, and cognitive-behavioral models as well as postmodern and recovery-oriented approaches such as narrative and solution-focused therapy.

PSYC630. Group Therapy: Theory & Practice (3)
A study of the theories and processes of therapy based on the group modality. Focus is placed on the concepts of the primary therapeutic factors, stages, interventions, critical incidents and diversity. Application is made to group dynamics and development of clinical skills.

PSYC631. Addictions Theory & Therapy (3)
This course investigates major approaches used in the identification, evaluation, and treatment of substance use disorders and co-occurring disorders. Individual, group, family, and recovery-oriented approaches are addressed.

PSYC641. Human Diversity (3)
Multicultural factors, including those related to race, ethnicity, socioeconomic status, spirituality, sexual orientation, gender, and ableness, are reviewed as they relate to individual, couple, and family treatment procedures. Issues of poverty, financial, and social stressors with individuals, couples, families, and communities are addressed.

PSYC642. Human Sexuality (3)
This course includes the study of physiological-psychological and socialcultural, systemic variables associated with sexual identity, sexual behavior, and sexual disorders. Issues related to sexuality and intimacy in couple and family relationships are reviewed.

PSYC675a. Practicum I (3)
This course addresses common questions and concerns students have when beginning clinical work at practicum sites. Students are taught how to prepare for beginning stages of therapy, how to effectively utilize consultation and supervision, how to deal with clients in crisis, advocacy practices, and other practical skills such as completing case notes and other forms of treatment documentation. Special attention is given to evidence-based practices and interventions with diverse individuals, couples, families and communities, and those who experience severe mental illness. Students must obtain a placement in an approved clinical setting, with a signed, written agreement, prior to the first class meeting. Clinical hours gained while enrolled in practicum count toward LMFT and LPCC requirements.

PSYC675b. Practicum II (1, 3)
This course focuses on professional development, self-as-the-therapist issues, consultation, and clinical case presentation skills. Students receive consultation from the instructor and feedback from other students on clinical cases from their field placement settings. Students formulate and present cases using a variety of psychotherapeutic models with attention to sociocultural and contextual issues and recovery-oriented principles.
Prerequisites: *PSYC 675a*

PSYC675c. Practicum III (1, 3)
This course focuses on increasing student awareness with regard to areas of interest within the field of therapy and facilitates students' mastery in treating a specific population, age-group and/or clinical issues. Continued focus on professional development, self-as-the-therapist issues, consultation, and clinical case presentation skills. Emphasis is also given to outreach and providing psycho-education to the community. Students receive consultation from the instructor and feedback from other students on clinical cases from their field placement settings. Clinical hours gained while enrolled in practicum count toward LMFT and LPCC requirements.
Prerequisites: *PSYC 675a & b*

PSYC675d. Practicum IV (2)
This capstone course focuses on the student's ability to document, analyze and present a final clinical case to graduate faculty and students, while applying skills of self-assessment and integration of Biblical principles. Emphasis will be given to personal and professional transformation, clinical insights and mastery of case conceptualization. Students receive feedback from the instructor and from other students on capstone cases.
Prerequisites: *PSYC 675a, b, & c*
Enrollment Comment: Students who have completed the coursework but have not reached the required 280 direct client contact hours in Practicum will be assigned ***no credit*** *for the course and will be required to re-register for PSYC675D as an Independent Study (DIS) the following semester (course fees applied).*

PSYC680. Psychopharmacology (3)
This course uses a bio-psycho-social-spiritual and systemic model to examine the history and use of psychopharmacology for the treatment of mental disorders and includes the study of neurobiology and mechanisms of action of the major psychotropic drugs. The role of gender, culture, age, and other contextual variables on the indications, recovery principles, and use of medication(s) and medication adherence is examined. Constructive interventions that integrate psychopharmacology and psychotherapy will be discussed based on the research.

PSYC690. Research Methods (3)
This course covers basic concepts in statistics, research design, and program evaluation for mental health professionals, including experimental and correlational design methods, levels of measurement, central tendency, dispersion, correlation, and the use of inferential statistics for hypothesis testing. Students are also introduced to methods of evaluating programs and clinical outcomes while considering systemic and sociocultural influences. Emphasis is given to helping students become knowledgeable consumers of research, including the use of research to inform evidence-based practice.

PSYC691. Assessment Measures & Techniques (3)
This course examines the application of psychological instruments to the assessment of individuals, couples, and families. Fundamentals of psychological assessment are reviewed, including standardized and non-standardized testing approaches, basic statistical concepts, and ethical and cultural considerations in assessment. Students gain experience in the administration, scoring, and interpretation of selected tests as well as in report writing.