University of La Verne

CATALOG

2018–2019

ADDENDUM

Table of Contents

A. Replace first paragraph under Athletic Training – M.S.
(p. 163 of the 2018-2019 Catalog)

The College of Arts and Sciences is pleased to announce the development of a new graduate degree, Master of Science, Athletic Training (MSAT). **The new master's program has been accredited by the Commission on Accreditation of Athletic Training Education (CAATE) and will begin in Summer 2019**. Please visit the Master of Science in Athletic Training website for information: https://artsci.laverne.edu/msat/.
Note: Priority application deadline is February 15, 2019.

B. Insert INC Chart
(p.61 and p.157 of the 2018-2019 Catalog)

If the grade of incomplete (INC) was issued for the following **terms**:	Deadline to submit coursework to remove "INC" grade is:
Fall Term	The last day of the following winter term
Winter Term	The last day of the following spring term
Spring Term	The last day of the following fall term
Summer Term	The last day of the following fall term

If the grade of incomplete (INC) was issued for the following **semester:**	Deadline to submit coursework to remove "INC" grade is:
Fall Semester	The last day of the following spring semester
January Interterm	The last day of the following spring semester
Spring Semester	The last day of the following fall semester
Summer Semester	The last day of the following fall semester

C. Correct sentence with the extension approval
(p. 161 of the 2018-2019 Catalog)

Continuous Enrollment for Culminating Activity/Field Work: Students who receive an IP for all thesis, graduate seminar, fieldwork/internship and culminating activity courses and have not cleared it within one year following the end of the term or semester of enrollment, can extend their enrollment for six months with a one-semester-hour extension fee and approval. A maximum of **"four"** six-month extensions will be permitted within the five-year time limit for the completion of the degree.

Doctoral students who do not complete the dissertation process within the three/five years of course work must be continuously enrolled in Continuous Enrollment each semester/term up through the eight-year time limit for the completion of the degree. (See respective doctoral degree programs for further information.)

D. Changes to Computer Science Department
(p. 119-122 of the 2018-2019 Catalog)

Computer Science and Computer Engineering — B.S.
Department Chairperson: Seta Whitby
Regular Faculty: Ahmad Abu Shanab, Ray Ahmadnia, Jozef Goetz, Seta Whitby
Adjunct Faculty: Patrick Brady, Leigh Buchwald, Kayhosrow Daraei, Mohammad Muqri, Samuel Son

This major requires a minimum of **48 semester hours** of computer engineering, information science, Internet programming, and software courses. Students are required to complete the core requirements, one concentration, and a minimum of two elective courses, as well as satisfying the supportive requirements.

Core Requirements: 22 semester hours
CMPN 280	Computer Organization	(4)
CMPS 367	Object Oriented Language C++	(4)
CMPS 368	Principles of Computer Networks	(4)
CMPS 370	Seminar	(1)
CMPS 385	Data Structures	(4)
CMPS 471	Internship	(1)
CMPS 499	Senior Project	(4)
	Comprehensive Exam	(0)

Engineering Concentration: 38-39 semester hours
CMPN 150	Principles of Electronics and Computer Engineering	(4)
CMPN 202	Electronic Devices and Circuits	(4)
CMPN 330	Microprocessor Systems	(4)
CMPS 420	Cyber Security	(4)
CMPN 480	Advanced Computer Architecture	(4)

Information Science Concentration: 37 semester hours
CMPS 375	Systems Analysis and Design	(4)
CMPS 392	Project Management	(4)
CMPS 410	Management Information Systems	(4)
CMPS 420	Cyber Security	(4)
CMPS 490	Database Management Systems	(4)

Internet Programming Concentration: 34 semester hours
CMPS 218	Publishing on the Web I	(4)
CMPS 319	Publishing on the Web II	(4)
CMPS 320	Internet Apps Development	(4)
CMPS 378	C# Programming	(4)
CMPS 480	Distributed Internet Computing	(4)

Software Concentration: 34 semester hours

CMPS 371   Assembly Language   (4)
CMPS 400   Analysis of Algorithms   (4)
CMPS 455   Compiler Design   (4)
CMPS 460   Operating Systems   (4)
CMPS 490   Database Management Systems   (4)

Elective requirement for each concentration: A minimum of two courses from the following or from a concentration outside the chosen one:

CMPN 303   Integrated Electronics   (4)
CMPS 362   Numerical Algorithms   (4)
CMPS 369   Local Area Networks   (4)
CMPS 377   Visual Basic.NET   (4)
CMPS 379   Java   (4)
CMPS 388   Software Engineering   (4)
CMPS 390   Special Topics in
           Computer Science   (1-4)
CMPS 451   Artificial Intelligence   (4)
CMPS 463   Computer Graphics   (4)
CMPS 481   Mobile Apps Development   (4)
CMPS 491   Systems Architecture   (4)

Supportive Requirements: 12 semester hours
CMPS 301   Programming Concepts   (4)
MATH 201   Calculus I   (4)
MATH 327   Discrete Mathematics   (4)

Additional for Engineering Concentration:
CHEM 201   General Chemistry I, **or**
CHEM 103   Introduction to Chemistry   (4-5)
MATH 202   Calculus II   (4)

PHYS 201   General Physics I and
PHYS 202   General Physics II
or
PHYS 202   General Physics II and
PHYS 203   Physics I: Mechanics
or
PHYS 203   Physics I: Mechanics and
PHYS 204   Physics II: Electricity and
           Magnetism   (5,5)

Additional for Information Science Concentration:
ACCT 201   Fundamentals of Accounting I
or
ACCT 203   Financial & Managerial Accounting (4)
ECON 221   Economic Analysis II

or
ECON 228 Economic Theories and Issues   (4)
MGMT 300 Principles of Management   (4)
PHYS 201   General Physics I
or
PHYS 203   Physics I: Mechanics   (5)

Additional for Software and Internet Programming Concentrations:
MATH 202 Calculus II   (4)

PHYS 201   General Physics I and
PHYS 202   General Physics II
or
PHYS 203   Physics I: Mechanics
PHYS 204   Physics II: Electricity and
           Magnetism   (5,5)

Additional for Software and Internet Programming Concentrations:
MATH 202 Calculus II   (4)

PHYS 201   General Physics I and
PHYS 202   General Physics II
or
PHYS 203   Physics I: Mechanics
PHYS 204   Physics II: Electricity and
           Magnetism   (5,5)

Information Science Minor

Total semester hours: 20

CMPS 375   Systems Analysis & Design   (4)
CMPS 392   Project Management   (4)
CMPS 410   Management Information Systems   (4)
CMPS 490   Database Management Systems   (4)
CMPS 491   Systems Architecture   (4)

Internet Programming Minor

Total semester hours: 24

CMPS 218   Publishing on the Web I   (4)
CMPS 319   Publishing on the Web II   (4)
CMPS 320   Internet Apps Development   (4)
CMPS 378   C# Programming Using .NET   (4)
CMPS 480   Distributed Internet Computing   (4)
CMPS 481   Mobile Apps Development   (4)

Software Minor

Total semester hours: 20

CMPS 362	Numerical Algorithms, **or**	
CMPS 400	Analysis of Algorithms	(4)
CMPS 377	Visual Basic .NET, **or**	
CMPS 378	C# Programming Using .NET, **or**	
CMPS 379	Java	(4)
CMPS 385	Data Structures	(4)
CMPS 460	Operating Systems	(4)
CMPS	Elective (Upper Division)	(4)

E-Commerce — B.S.

Program Chair: Seta Whitby
Regular Faculty: Ahmad Abu Shanab, Ray Ahmadnia, Jozef Goetz, Seta Whitby
Adjunct Faculty: Patrick Brady, Leigh Buchwald Kayhosrow Daraei, Mohammad Muqri, Samuel Son

The major requires a minimum of 48 semester hours of core, concentration (either A or B) and elective courses. In addition, students must satisfy the supportive requirements as well. This interdisciplinary program is jointly offered by the Department of Mathematics, Physics, and Computer Science and by the College of Business and Public Management to prepare students for careers in electronic commerce.

Total program: 66 semester hours

Prerequisites: 18 semester hours

CMPS 200	Informational Technology	(2)
ACCT 203	Financial & Managerial Accounting	(4)
ECON 228	Economic Theories and Issues	(4)
BUS 270	Business Statistics	(4)
MGMT 300	Principles of Management	(4)

Core Requirements: 32 Semester hours

BUS 360	Principles of Marketing	(4)
BUS 416	Electronic Commerce	(4)
CMPS 218	Publishing on the Web I	(4)
CMPS 368	Principles of Computer Networks	(4)
CMPS 378	C# Programming	(4)
CMPS 392	Project Management	(4)
CMPS 410	Management Information Systems	(4)
CMPS 499	Senior Project	(4)

Concentrations: 12 Semester hours
Engineering of E-Commerce
CMPS 319 Publishing on the Web II   (4)
CMPS 320 Internet Apps Development   (4)
CMPS 481 Mobile Apps. Development   (4)

Information System of E-Commerce
CMPS 375 Systems Analysis and Design   (4)
CMPS 420 Cyber Security   (4)
CMPS 490 Database Management Systems   (4)

Electives: 4 Semester hours
One of the following:
CMPS 301 Programming Concepts   (4)
CMPS 379 Java   (4)
CMPS 480 Distributed Internet Computing   (4)

Information Technology — B.S.

Program Chair: Seta Whitby
Regular Faculty: Ahmad Abu Shanab, Ray Ahmadnia, Jozef Goetz, Seta Whitby
Adjunct Faculty: Patrick Brady, Leigh Buchwald, Kayhosrow Daraei, Mohammad Muqri, Samuel Son

This major requires a minimum of **49 semester hours** of Core courses. Students are required to complete all core requirements as well as satisfy **14 semester hours** of supportive requirements.

Total program: 63 semester hours

Supportive Requirements: 14 semester hours
CMPS 200 Information Technology   (2)
BUS 270   Business Statistics   (4)
MATH 327 Discrete Mathematics   (4)
BUS 343   Foundations of Business Ethics   (4)

Core Requirements: 49 semester Hours
CMPS 218 Publishing on the Web I   (4)
CMPS 301 Programming Concepts   (4)
CMPS 302 The Digital Society   (4)
CMPS 367 Object Oriented Language C++   (4)
CMPS 368 Principles of Computer Networks   (4)
CMPS 375 Systems Analysis and Design   (4)
CMPS 392 Project Management   (4)
CMPS 410 Management Information Systems   (4)
CMPS 420 Cyber Security   (4)
CMPS 471 Internship   (1)

CMPS 490 Database Management Systems   (4)
CMPS 491 Systems Architecture   (4)
CMPS 499 Senior Project   (4)

Certificate in Systems Engineering

The *Systems Engineering Certificate Program* provides the key skills and knowledge essential for successful systems engineering in today's rapidly changing environment. Systems Engineering utilizes a combination of product development and service delivery fundamentals including project management techniques and keen business skills. This 17-unit certificate is focused toward development and management of complex systems. This program focuses on practical applications of proven methods for eliciting customer needs and requirements, defining robust system architectures and designs, effectively verifying and validating the operation of the system that meet cost, schedule, and performance goals. All
requirements must be completed within three (3) years after the student enrolls in his/her first course. All courses in this certificate can apply to the B.S. in Computer Science Program with Information Science Concentration, if desired.

Chair: Seta Whitby
Certificate Program Manager: Seta Whitby

Required courses: 17 semester hours
CMPS 370 Seminar: Introduction to Systems
Engineering (1)
CMPS 375 Systems Analysis and Design (4)
CMPS 392 Project Management (4)
CMPS 410 Management Information Systems (4)
CMPS 492 Systems Architecture (4)

Certificate in Website and Internet Applications Development

The certificate of completion in Web and Internet Applications Development (WIAD) prepares students to design, create and administer interactive websites and applications that utilize client and server side programming technologies. The WIAD certificate has a particular value in industry where it is used as a currency in the Web and Internet Apps Development. This certificate is for students interested in understanding the process for building and deploying desktop and mobile websites, database driven websites and windows, Internet and mobile applications. All requirements must be completed within three (3) years after the student enrolls in his/her first course. All courses in this certificate can apply to the B.S. in Computer Science Program with the Internet Programming Concentration, if desired.

Chair: Seta Whitby
Certificate Program Manager: Jozef Goetz
Required courses: 24 semester hours

CMPS 218 Publishing on the Web I (4)
CMPS 319 Publishing on the Web II (4)
CMPS 320 Internet Apps Development (4)
CMPS 378 C# Programming (4)
CMPS 480 Distributed Internet Computing (4)
CMPS 481 Mobile Apps Development (4)

E. Changes to Board Rates and College of Law Fees
(p. 33, 35 of the 2018-2019 Catalog)

Board Rates:
 Residential Undergraduate Students, Spring 2019:
  150 Block Plan + $100 Leo Dollars …$2,830
  200 Block Plan + $50 Leo Dollars …..$3,690
 Term Students, per term for the 18/19 year:
  150 Block Plan + $67 Leo Dollars….$1,885
  200 Block Plan + $34 Leo Dollars …..$2,460

Bar Readiness, per semester $244-$733.50

F. Insert "calendar"
(p. 23, 30, 49, 159 of the 2018-2019 Catalog)

(p. 23, 30, 49)
All transcripts must be post marked or date stamped as being printed within 45 **"calendar"** days of the official last day of the semester/term/grading period at the transfer institution. Students who do not submit official transcripts within the 45 **"calendar"** days will be required to appeal for the acceptance of the transcript and pay the appeal fee if approved.

(p.159)
Submission of Coursework from other Colleges:
All active students enrolled in coursework at another college or university while in attendance at the University of La Verne, are required to submit "official" transcripts from the transferring institution within 45 **"calendar"** days after the ending date of each semester/term. Transferring coursework must be articulated on a term by term basis in order to accurately update the student's academic record and degree completion plan.

G. Ability to Benefit
(p. 23 of the 2018-2019 Catalog)

The University of La Verne Degree Pathway for the Adult Learner (known as Regional and Online Campuses) is comprised of multiple locations located in California and Online. The Degree Pathway for the Adult Learner offers undergraduate and graduate degree options and modalities of instruction. The eight regional campuses, CAPA (Campus Accelerated Program for

Adults) and La Verne Online provide educational opportunities for the Adult Learner with varied educational backgrounds.

At the University of La Verne, an Adult Learner is an individual who meets the federal criteria of an "independent" student. This criteria includes 24 years of age, OR married, OR has legal dependents (children) OR veteran, OR active military duty. A complete definition of an "independent" student can be found on the FAFSA (Free Application for Federal Student Aid) website. Exceptions to this requirement at the time of admission may be appealed to the Dean of Admissions.

The Adult Learner applicant will be considered for admission to the University based on several factors:

- Completion of a high school degree or equivalent **as defined by the Department of Education as outlined in the Financial Aid section of this catalog under the Abilit to Benefit.** Students who have earned an associate's degree, or who successfully completed the equivalent of 60 semester credit hours that is acceptable for full credit toward a bachelor's degree are exempt from submitting high school verification.
- Significant life experience or events after high school graduation
- Cumulative college GPA of 2.00 or higher
- The ability to succeed in a challenging academic program

H. Teacher Education Programs (REGIONAL CAMPUSES ONLY)
(p. 195 of the 2018-2019 Catalog)

Program Chairperson: Jessica C. Decker

Program Length: 2 Years

Earning a multiple or single subject credential takes several steps. Following entry into La Verne's teacher education program, students must successfully complete teaching methodology courses and fieldwork. Candidates then must be accepted for student teaching, which includes courses as well as 15 weeks of in- classroom training, completed in two segments.

The multiple and single subject credential teacher preparation programs address teaching strategies for all students in California schools. Integrated through- out the programs are methodologies to deliver comprehensive instruction to English learners and to work with special populations in the general education classroom. This replaces the program formerly known as the CLAD credential.

Admission Requirements:
- Application and personal interview
- Writing competency assessment
- Statement of Purpose
- TB clearance

- Verification of taking CBEST by submitting score report
- Application for Certificate of Clearance or copy of Substitute Teaching Permit
- Transcript(s) indicating 90 semester hours or more toward B.A./B.S. at time of application
- GPA of 2.75 overall
- Internet access
- Verification of CSET registration or Subject Matter Competency Program Waiver

Total Program: 33 Semester Hours

Sequence of Courses (Regional Campuses Only):

**Multiple Subject Candidates only:**
SPED 457 Introduction to Exceptional
     Individuals and Their Families, **or**
EDUC 458 Teaching Students with Special
     Challenges in the General Education
     Classroom   (3)
EDUC 460 Diversity, Interaction, and the
     Learning Process   (4)
EDUC 470 Theories and Methods of Education
     for Linguistically Diverse Students (4)
EDUC 462 Literacy Methods for Multiple Subject
     Candidates - I   (3)
EDUC 472 Teaching Strategies   (4)
EDUC 464 Literacy Methods for Multiple Subject
     Candidates- II   (3)
EDUC 474 Teaching in the Content Areas –
     Multiple Subject   (4)
EDUC 468 Introductory Supervised Teaching (3)
EDUC 478 Advanced Student Teaching (5)

**Single Subject Candidates only:**
SPED 457 Introduction to Exceptional Individuals
     and Their Families, **or**
EDUC 458 Teaching Students with Special
     Challenges in the General Education Classroom (3)
EDUC 460 Diversity, Interaction, and the
     Learning Process   (4)
EDUC 470 Theories and Methods of Education for
     Linguistically Diverse Students (4)
EDUC 466 Introduction to Teaching of Reading for
     Single Subject Candidates (4)
EDUC 468 Introductory Supervised Teaching (3)
EDUC 472 Teaching Strategies   (4)
EDUC 475 A-J***** Foundations and Introduction to

    Teaching Single Subject   (3)
(*Must enroll in your content area)
EDUC 476*   A-J Teaching in the Content Area for
            Single Subject Candidates   (3)
(*Must enroll in your content area)
EDUC 478 Advanced Student Teaching   (5)

Other Program Components

Student Teaching Program Prerequisites: Student teaching candidates must complete an application and be accepted into the program with the following:

Introductory Supervised Teaching Requirements:
- Certificate of Clearance or equivalent fingerprint clearance
- Demonstration of personal dispositions necessary for teaching (as outlined by the LaFetra College of Education)
- CPR for adults, infants and children
- Current TB clearance
- Passing score on the CBEST
- Passing score of 3 or higher on the writing competency assessment
- Successful completion of all pre-student teaching coursework as defined by a GPA of 3.0 and a grade of B or better in each course
- Passing score on TPA Task #1
- Verification of Subject Matter Competence as defined by the California Commission on Teacher Credentialing:
    - CSET (California Subject Examinations for Teachers), **or**
    - Completion of a state-approved subject matter program with a minimum GPA of 3.0 in the major and 2.75 overall
    *Candidates with low undergraduate GPA's who have completed subject matter competence programs may appeal to waive the state mandated examination(s) if they maintain a 3.5 GPA in ULV's Teacher Preparation Program.

Advanced Supervised Teaching Requirements:
- Successful completion of all requirements for Introductory Supervised Teaching
- Passing score on the Reading Instruction Competency Assessment (RICA) (Multiple Subject candidates only)
- Speech course or verification
- US Constitution course or passing test score
- Health Education/Nutrition/Drug Prevention/Tobacco/Sexually Transmitted Diseases Course
- EDUC 407 Learning Technology for Educators

Enhanced Intern Credential (Multiple or Single Subject). A regional campus candidate will be eligible for an enhanced intern credential if he/she has successfully completed the constitution requirement, EDUC 460 and EDUC 470, subject matter competence, and a score of 3 or better

on the writing competency assessment, and has a contract in a public school. All candidates must be concurrently enrolled in EDUC 467 to be eligible for the intern credential.

Enhanced Intern Credential (Multiple/Single Subject). A <u>central campus candidate</u> will be eligible for an enhanced intern credential if he/she has successfully completed the constitution requirement, first term coursework (EDUC 425 & EDUC 426 for Multiple Subject; EDUC 427 & EDUC 428 for Single Subject), subject matter competence, and a score of 3 or better on the writing competency assessment and has a contract in a public school. All candidates must be concurrently enrolled in EDUC 467 to be eligible for the intern credential.

Teacher Performance Assessments. The California Teacher Assessment Program (TPA) provides teacher candidates with the opportunity to demonstrate achievement of the teaching performance expectations. The TPA is a series of tasks embedded throughout the program.

Preliminary Credential Application Requirements. To apply for a preliminary credential with the state of California Commission on Teacher Credentialing, candidates must have:
- Maintained a GPA of 3.0 or better in all coursework
- Completed a bachelor's degree from a regionally accredited college or university
- Completed an "Application for Credential"
- Completed CPR Certification for Adults, Infants, and Children
- Passed all required TPAs
- Passed the RICA (Multiple Subject only)
- Must be cleared by the credential analyst for all remaining requirements

Clear Credential Application Requirements:
To apply for a Professional Clear or Level II Credential with the state of California Commission on Teacher Credentialing, candidates must have completed a professional induction program through their employer within five years of the issuance date of their Preliminary Credential.

I. CID
(p. 20 and 26 of the 2018-2019 Catalog)

The University of La Verne faculty utilize the California Identification supranumbering system (C-ID) to articulate courses whenever possible. The C-ID system allows courses to be articulated through the use of descriptors for commonly articulated transferable lower-division courses. Courses articulated through the use of C-ID descriptors are deemed equivalent to University of La Verne courses.

J. Residency Requirement
(p. 29 of the 2018-2019 Catalog)

Credit awarded via Assessment of Prior Learning by Portfolio does not count toward the University of La Verne's 44 semester hour residency.

K. Psychology Residency Requirement
(p. 125 of the 2018-2019 Catalog)

Transferring courses to count for the major: The Undergraduate Psychology Program will accept courses to meet major requirements if the courses are not older than 10 years from the date that the coursework is submitted to the program chair for consideration. This applies to courses taken both at and outside of the University of La Verne. Please contact the program chair for more information about transferring coursework.

L. Prior Learning Assessment (PLA)
(p. 28 of the 2018-2019 Catalog)

Prior Learning Assessment (PLA) by Portfolio to CAEL (Council for Adult and Experiential Learning) is the opportunity for students to earn college level credits through life and/or work experiences. The evaluation of prior learning assessment by portfolio is a process based on the learning activities a student has gained in or outside of the workplace. The development of the portfolio requires a commitment by the student to participate in a rigorous self-assessment of all prior learning activities. The maximum number of semester hours a student may earned by portfolio is 30 semester hours, inclusive of the Instructional Portfolio Development Course (PLA 100). Each portfolio submitted for assessment will be awarded the credits assigned to the course as listed in the University of La Verne's catalog, upon successful completion as recommended by CAEL.

Prior to enrolling in the Instructional Portfolio Development Course, students must fulfill the following requirements:
• Students must be admitted to a Bachelor's degree program at the University of La Verne.
• Students must be in good academic standing (2.00 overall GPA or greater).
• Students must be actively enrolled and be within their prescribed maximum time for degree completion.
• Students must have completed WRT 111: College Writing and Research or the equivalent with a grade of "C-" or better.

The following polices will be applied to the acceptance of the University of La Verne Prior Learning Assessment by Portfolio:
• Credit by portfolio is only available for approved courses listed in the University of La Verne Catalog on MyLaVerne.
• When a portfolio has been successfully completed, and credit recommended by CAEL, the course will be posted to the student's official transcript with a grade of CRD (Credit). The course will be transcripted with the appropriate Subject Code, Number, Course Title, Credit Hour and notation of PLA to indicate how the credit was earned.
• Qualified students may submit one portfolio for assessment per term.
• If a passing score is not achieved, it is expected the student will enroll in the course if needed for degree completion.
• No designation of a portfolio that does not receive credit will be recorded on the student's academic record.
• Credit by portfolio assessment will not be awarded when a student has already been awarded credit for the equivalent or similar course including transfer credit.
• Students earning credit through the Prior Learning Assessment by Portfolio can apply a

maximum of eight (8) semester hours towards fulfilling the residency requirement. This excludes the PLA 100 Introduction to Portfolio Development & Assessment course.