

**Crafton Hills College  
Substantive Change Proposal  
Distance Education**

**Submitted by  
Crafton Hills College  
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**Submitted to  
Accrediting Commission for Community and Junior Colleges,  
Western Association of Schools and Colleges  
March 15, 2016**

**Certification of the Substantive Change Proposal**

DATE: February 23, 2016

TO: Accrediting Commission for Community and Junior Colleges  
Western Association of Schools and Colleges

FROM: Crafton Hills College

This substantive Change Proposal is submitted in accordance with the guidelines set by the Accrediting Commission for Community and Junior Colleges (ACCJC), Western Association of Schools and Colleges (WASC). We certify that this Substantive Change proposal accurately reflects the status of Distance Education at Crafton Hills College



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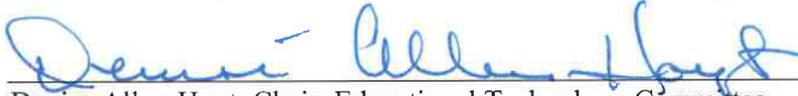
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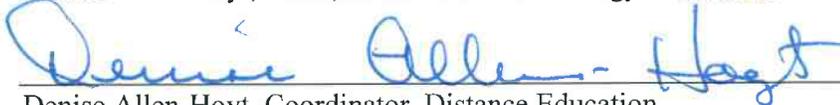
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## A. Description of the Proposed Change

### 1. Description

This request for substantive change follows an External Evaluation in October, 2014 which resulted in the issuance of Warning status to both colleges in the San Bernardino Community College District. College Recommendation 2 was made in regard to distance education (DE).

*In order to meet the standards, the team recommends that the college update its Distance Education plan to provide guidance in determining the long-term vision for distance education to support the current and future needs of its students including student support and library and learning support services.*

This recommendation prompted the close examination of Crafton Hills College's distance education curricula and programs. The comprehensive review of the courses, degrees, certificates, and general education programs approved for Distance Education revealed that Crafton Hills College currently offers 54 degrees, two certificates, and three general education patterns that can be completed by students taking 50% or more of the required credits in a distance education format. Currently, CHC does not offer any degrees or GE options that can be completed by students taking 100 percent of the required credits in a distance education format. The college has updated its Distance Education plan, and includes as a goal the exploration of the growth of DE courses in high demand degrees and certificates, with the possibility of offering some of these 100 percent online. Crafton Hills College believes it has crossed the threshold described on page 9 (section 3.7.3) of ACCJC's Substantive Change Manual; and therefore must submit a Substantive Change Proposal for Distance Education to ACCJC.

In requesting permission to submit a substantive change review, Crafton Hills College wishes to fully align with ACCJC standards for distance education formats. In addition, a robust DE program can help the institution meet the needs of our military veteran, disabled, and working adult populations, identified as disproportionately impacted with regard to access in our recent Equity audit. Our College Equity Plan identifies distance education offerings as an effective intervention for the access issues experienced by these groups. The review and approval of the Commission will allow the College to be in compliance with ACCJC standards and to remedy the deficiency cited in the 2014 Evaluation Team report, and will permit the College to continue to build on the work that has been done in distance education.

This Substantive Change Proposal is to report 54 associate degrees and two certificates in which 50 percent or more of the units are satisfied by courses that are approved by Crafton Hills College (CHC) to be offered through Distance Education. Additionally, the College is reporting four associate degrees and three certificates that are anticipated to reach the 50 percent mark by the spring

of 2017.

Since CHC is a California Community College, the approval process for Distance Education (DE) delivery is initially driven by adherence to the Education Code of the State of California. However, "Distance Education" is defined differently by the California Code of Regulations, Title 5 and by ACCJC [See Appendix A]. With the understanding that no course at CHC is approved as a "correspondence course" and that no such correspondence course is being offered at CHC, it is stipulated for the purposes of this Substantive Change Proposal that the two definitions of "Distance Education"--Title 5 and ACCJC--are functionally equivalent. In addition to "Distance Education," the phrase "Distributed Education" is often used in the San Bernardino Community College District (SBCCD). For the purposes of this Substantive Change Proposal, it is further stipulated that "Distributed Education" as used at CHC and in the SBCCD is functionally equivalent to "Distance Education" (See Appendix A).

## 2. Relation to Crafton Hills College Mission

The Crafton Hills College mission is reviewed annually by the Educational Master Planning Committee, and revisions are approved by Crafton Council, the central deliberative body of the College<sup>iii</sup>. The college mission was most recently approved by the San Bernardino Community College Board of Trustees on October 9, 2014<sup>iii</sup>.

Crafton Hills College Mission: To advance the education and success of students in a quality learning environment.

- Crafton Hills College Vision: Crafton Hills College will be the college of choice for students who seek deep learning, personal growth, a supportive community, and a beautiful collegiate setting.
- Crafton Hills College Values: Crafton Hills College values academic excellence, inclusiveness, creativity, and the advancement of each individual.
- Distance Education Mission: In support of Crafton Hills College's Mission, Vision and Values, the CHC Distance Education program engages students through quality online instruction and support services as an alternative approach to advancing the educational, career, and personal goals of our students<sup>iv</sup>.

The development of Distance Education courses and programs aligns with the College mission and vision in two ways. First, the mission specifically mentions the education and success of students. The 2014 Student Equity Plan shows that adults between ages 25 – 39 were less likely than their younger peers to finish their degrees and certificates, and to transfer<sup>v</sup>. When the state budget necessitated cuts to course offerings in 2009-2010, distance education and evening classes were more likely to be cut than face-to-face, daytime classes. This action impacted working adults who required an alternate delivery method. Providing robust DE programming will allow working adults to access and complete courses, programs, certificates, and degrees to a greater degree.

Second, the mission specifies a quality learning environment. Distance education programs improve the quality of the learning environment by improving access for students who cannot travel to the campus, and by providing instruction in a convenient, flexible format. In addition, the Educational Technology Committee has developed quality DE course design standards that instructors are required to follow when designing their DE courses. Additionally, all DE instructors are required to complete an approval process to verify they that have acquired both the technical and instructional design skills required to deliver a quality online learning experience.

### 3. Rationale for Change

The number of online classes approved and offered at Crafton Hills College has grown significantly since the first online course was offered in 1996. Between 1996 and 2003, there was a slow growth of online offerings. However, since 2004, the growth of online classes has been substantial, and predominately driven by student demand. In requesting permission to submit a substantive change review, Crafton Hills College wishes to fully align with ACCJC standards for distance education formats. In addition, a robust DE program can help the institution meet the needs of our military veteran, disabled, and working adult populations, identified as disproportionately impacted with regard to access in our recent Equity audit. Our College Equity Plan identifies distance education offerings as an effective alternative for the access issues experienced by these groups. The review and approval of the Commission will allow the College to be in compliance with ACCJC standards and to remedy the deficiency cited in the 2014 Evaluation Team report. It will also permit the College to continue to build on the work it has already done in distance education.

Labor Market Analysis. The San Bernardino Community College District conducts labor market research periodically for both colleges in the District, as well as in the region<sup>vi</sup>. The results of these and other studies are used to inform the degree and certificate offerings at the College. A 2014 statewide labor market study conducted by the California Community College system's *Doing What Matters for Jobs and the Economy* revealed that the highest priority sectors for Crafton Hills College included advanced manufacturing, health, and global trade and logistics. Emerging sectors included advanced transportation and renewables and some curricular alignment between the certificates offered by Crafton Hills College and local market, particularly in the areas of information and communication technologies, and digital media. The data align closely with the five online certificates outlined in this substantive change proposal: CISCO, CIS, Graphic Design, Programming, and Web Design.

The study also identified the potential for growth and development of existing programs. Table 1 shows the industry sectors and programs at Crafton Hills College.

A 2015 environmental scan conducted by the District revealed that there is an anticipated gap in associate degrees and labor market needs in business administration and child development/early care education, which are some of the programs listed in this proposal.<sup>vii</sup> The same environmental scan showed that the industry areas expected to grow in the region included health

care and social assistance, government, retail trade, accommodation and food services, and transportation and housing, and that associate degree attainment in the region was lower than the statewide average (12% vs. 19%). A national 2014 study showed associate degrees were associated with higher quarterly earnings and a greater likelihood of full-time employment for both men and women<sup>viii</sup>

*Table 1. Industry Sectors and Programs at Crafton Hills College*

Industry Sector	Related Programs	Job Placement Data		Emerging Programs
		Perkins	Salary Surfer	
Advanced Mfg Global Trade/Logistics	None Business	70-87%	65%	Pre-Engineering Revise degree
ICT & Digital Media	CIS, CISCO, Graphic Design, Programming, Web Design	66-85%	Not available	Digital Media
Adv. Trans/ Renewables Small Business	Environmental Sci  None	6,100 new jobs in the IE over the next 3 years		Revise degree

*Source: Doing What Matters for Jobs and the Economy*

As shown in Table 1, the certificates included in this proposal are closely aligned with the ICT and Digital Media sector, which has been identified by the California Community College Chancellor’s Office as having growth potential in the Crafton Hills College service area.

## B. Description of the Programs to be offered in Distance Education Format

### 1. Educational Purposes

Each course and program proposed for DE delivery has previously been approved for traditional, on-campus delivery. There are no changes in General Education requirements, major requirements, or certificate requirements for courses and programs offered via Distance Education. The Course Outline of Record for each course offered by the college is the same regardless of the delivery model. No distinction is drawn between delivery modes on the student’s transcript. The Student Learning Outcomes are the same for each course regardless of delivery model.

This proposal identifies the degrees and certificates for the Academic Senate Educational Technology Committee has approved 50 percent of courses to be offered online. We have also identified four degrees and three certificates for which 30 percent or more of courses have been approved to be offered online. We anticipate that these degrees and certificates will reach the 50 percent threshold by spring 2017. A list of degrees and certificates included in this proposal is provided below.

AA-T, AS-T, AA and AS degrees with at least 50 percent of units available in DE formats:

1. American Sign Language AA (36/60 units approved for DE delivery)
2. Anthropology AA-T (48/60 units approved for DE delivery)
3. Anthropology AA (45/60 units approved for DE delivery)
4. Arabic AA (36/60 units approved for DE delivery)
5. Art History AA-T (48/60 units approved for DE delivery)
6. Studio Arts AA-T (45/60 units approved for DE delivery)
7. Art AA (39/60 units approved for DE delivery)
8. Biology AS (31/60 units approved for DE delivery)
9. Business Administration AS-T (48/66 units approved for DE delivery)
10. Business Administration AS (42/60 units approved for DE delivery)
11. Early Childhood Education AS-T (39/64 units approved for DE delivery)
12. Child Development AA (35/60 units approved for DE delivery)
13. Communication Studies AA-T (48/60 units approved for DE delivery)
14. Communication AA (51/60 units approved for DE delivery)
15. Computer Information Systems AS (46/60 units approved for DE delivery)
16. Computer Science AS-T (45/68 units approved for DE delivery)
17. Computer Science AS (48/60 units approved for DE delivery)
18. Economics AA-T (48/60 units approved for DE delivery)
19. English AA-T (43/60 units approved for DE delivery)
20. English AA (50/60 units approved for DE delivery)
21. Fire Technology AS (36/60 units approved for DE delivery)
22. French AA (36/60 units approved for DE delivery)
23. Geography AA-T (42/60 units approved for DE delivery)
24. Geography AS-T (47/60 units approved for DE delivery)
25. Geology AS-T (39/65 units approved for DE delivery)
26. History AA-T (48/60 units approved for DE delivery)
27. History AA (48/60 units approved for DE delivery)
28. Japanese AA (36/60 units approved for DE delivery)
29. Kinesiology AA-T (39/60 units approved for DE delivery)
30. Mathematics AS-T (39/60 units approved for DE delivery)
31. Mathematics AS (41/60 units approved for DE delivery)
32. Multidisciplinary Fine Arts AA (54/60 units approved for DE delivery)
33. Multidisciplinary Humanities AA (51/60 units approved for DE delivery)
34. Multidisciplinary Liberal Studies-Teacher Preparation AA (33/60 units approved for DE delivery)
35. Multidisciplinary Social Science AA (57/60 units approved for DE delivery)
36. Multidisciplinary Environmental Science AS (51/60 units approved for DE delivery)
37. Multidisciplinary Science AS (57/60 units approved for DE delivery)
38. Multidisciplinary Health Science AS (37/60 units approved for DE delivery)
39. Music AA-T (36/60 units approved for DE delivery)
40. Music AA (31/60 units approved for DE delivery)

41. Philosophy AA-T (51/60 units approved for DE delivery)
42. Philosophy AA (48/60 units approved for DE delivery)
43. Physics AS-T (36/64 units approved for DE delivery)
44. Political Science AA-T (42/60 units approved for DE delivery)
45. Political Science AA (45/60 units approved for DE delivery)
46. Psychology AA-T (48/60 units approved for DE delivery)
47. Psychology AA (51/60 units approved for DE delivery)
48. Religious Studies AA (48/60 units approved for DE delivery)
49. Sociology AA-T (45/60 units approved for DE delivery)
50. Sociology AA (51/60 units approved for DE delivery)
51. Spanish AA-T (36/60 units approved for DE delivery)
52. Spanish AA (36/60 units approved for DE delivery)
53. Theatre Arts AA-T (36/60 units approved for DE delivery)
54. Theatre Arts AA (36/60 units approved for DE delivery)

AA and AS degrees with at least 40 percent of units available in DE formats, anticipated to reach 50 percent in the near future:

55. Elementary Teacher Education AA-T (24/60 units approved for DE delivery)
56. Emergency Medical Services AS (25/61 units approved for DE delivery)
57. Geology AS (28/60 units approved for DE delivery)
58. Physics AS (25/63 units approved for DE delivery)

Certificates with at least 50 percent or more of the units available in DE formats:

1. Cisco Certified Network Associate Certificate (16/16 units currently approved for DE delivery)
2. Computer Information Systems Certificate (22/28 units approved for DE delivery)

Certificates with at least 40 percent of units available in DE formats, anticipated to reach 50 percent in the near future:

3. Computer Assisted Graphic Design Certificate (Art / CIS) (3/18 units approved for DE delivery)
4. Programming Certificate (6/20 units approved for DE delivery)
5. Web Design Certificate (6/18 units approved for DE delivery)

## [2. Eligibility Requirements, Accreditation Standards, and Commission Policies Related to Student Learning Programs, Services, and Resources](#)

Parts F and G of this proposal describe how Crafton Hills College meets each of the Commission's eligibility requirements and standards. As stated above, all the degrees and certificates listed in this proposal provide the same content, rigor, and quality as those offered in traditional formats.

The quality of online and distance education offerings is monitored closely by the College. The Curriculum Committee reviews all courses, determines the placement of courses within disciplines, and ensures that delivery of instructions supports the objectives and content of each course. The Curriculum Committee reviews all courses on a six-year cycle. All programs, including those with distance-education courses, are reviewed in the planning and program review process on a four-year cycle.

Separate approval is required, pursuant to Title 5 of the California Education Code, §55206, if any part of the course is modified to be provided through distance education. To meet the requirements of the law and to ensure the effectiveness and quality of the distance education program, Crafton Hills College developed and adopted a Distance Education (DE) addendum, which is used to approve both online and hybrid courses. The CHC DE addendum was developed by the Educational Technology Committee (ETC) in the fall of 2003 and was approved by the Academic Senate in spring of 2004. The addendum was incorporated into Curricunet, in the fall of 2004.

The Educational Technology Committee reviews all DE addenda to ensure that the stated instructional methods support the course objectives and content. Online courses and traditional courses share a common set of learning outcomes as determined by instructional faculty. The learning outcomes are included in the course outline of record and are used to improve both teaching and learning. The official course outlines of record for all DE courses must:

1. Include an Educational Technology Committee approved DE addendum prior to being scheduled for online delivery<sup>ix</sup>.
2. Be reviewed and approved by the SBCCD Board of Trustees.
3. Be reviewed and revised every six years at minimum, in accordance with the established curriculum review and approval process.

Online courses and traditional courses share a common set of learning outcomes that are determined by instructional faculty and are used for the improvement of teaching and learning. The College, with support from District Educational Technology, offers all online courses through Blackboard. Faculty teaching online courses must demonstrate their competency using this online course delivery tool.

Online faculty certification requires the completion of a distance education instructor approval process, in accordance with the following section from Title 5 of the California Education Code<sup>x</sup>.

§55211. Instructor Contact. In addition to the requirements of section 55002 and any locally established requirements applicable to all courses, district-governing boards shall ensure that:

- (a) All approved courses offered as distance education include regular effective contact between instructor and students, through group or individual meetings, orientation, and

review sessions, supplemental seminar or study sessions, field trips, library workshops, telephone contact, correspondence, voice mail, e-mail, or other activities.

Faculty who request to teach a DE course must verify that they have acquired the knowledge and skills necessary to successfully teach online. This is to ensure quality instruction in CHC distance education courses. As of spring 2015, 19 full-time and 25 part-time faculty members were approved to teach online. Faculty certificate for DE delivery requires the completion of the following CHC instructor approval processes:

1. The applicant must complete and submit to his/her Department Chair the CHC DE Intent to Teach Form documenting the training he/she had received in preparation to teach online.
2. The intent to teach form is reviewed by members of the ETC who determine if the candidate has acquired the knowledge and skills required to successfully teach online.
3. Once approved the instructor must complete an online readiness quiz and demonstrate proficiency in each of the skills delineated in the Hands-on Skills Checklist.
4. The final step in the instructor approval process is course development. The candidate is required to build a course in the LMS containing at minimum, two weeks' worth of online course content. The developmental course must include each of the components delineated in the Course Readiness Checklist including: course objectives, SLOs, assignments, exams and due dates, grading rubrics/policies/expectations, discussion forums, FAQs and accommodations for students with disabilities.
5. The members of the ETC conduct a formative review process to verify that the developmental course includes all required components as listed in the CHC online course readiness checklist. They also verify that all support services are listed (library, testing accommodations, etc.) and that accessibility requirements required by federal law (Section 508 Amendment to the Rehabilitation Act of 1973) have been met.
6. Once the ETC certifies that a course meets all expectations it forwards a formal recommendation to the VPI approving said faculty member to teach online.

### C. Description of the Planning Process

#### 1. Relationship to Crafton Hills College Planning, Evaluation, Mission

The development of Distance Education courses and programs aligns with the college mission and vision in two ways. First, the mission specifically mentions the education and success of students. As mentioned above, a recent student equity audit showed that adults between ages 25 – 39 were less likely than their younger peers to finish their degrees and certificates, and to transfer. When the state budget necessitated cuts to course offerings in 2009-2010, distance education and evening classes were more likely to be cut than face-to-face, daytime classes.

This action impacted working adults who required an alternate delivery method. Providing robust DE programming will enhance access to educational opportunities for working adults and other populations who require this option.

Second, the mission specifies a quality learning environment. Distance education programs improve the quality of the learning environment by improving access for students who cannot travel to the campus, and by providing instruction in a convenient, flexible format. In addition, the Educational Technology Committee has developed quality DE course design standards that all DE instructors are required to meet, safeguarding the quality of the online learning environment. As mentioned above, DE instructors are also required to complete an approval process to verify that they have the requisite technical and instructional design skills to deliver a quality online learning experience.

## 2. Assessment of Needs and Resources

Crafton Hills College has had the resources needed to more fully develop online degree and certificate options for some time. The District provides a centralized Distance Education department featuring two instructional technology specialists, an administrative assistant, and a part-time clerical assistant. The hours of operation meet campus needs, and there is a 24/7 help desk number available to students, faculty, and staff. The District covers the cost of the Blackboard License, managed hosting, and the Blackboard help desk<sup>xi</sup>

The College has a faculty member on 50 percent reassigned time to coordinate DE efforts and to ensure the new DE plan is updated annually and is implemented.

The District Distance Education department provides ongoing training to faculty in the use of Blackboard as an instructional delivery tool. College Equity funds have been used to provide further training to faculty in effective DE teaching and accessibility. The College has sufficient resources to ensure the effective delivery of DE degrees and certificates.

## 3. Anticipated Effect of the Proposed Change

Commission approval of Crafton Hills College DE programs and certificates will allow the College to provide degree and certificate programs in a convenient, flexible format, and to increase educational opportunities for working adults, military veterans and individuals with disabilities, populations our research indicates are currently underserved.

## 4. Intended Benefits

Approval of this substantive change proposal will allow the College to offer a full range of DE programs. As mentioned above, those who may benefit the most include working adults, individuals with disabilities, and military veterans. In addition, individuals living in the mountain regions, such as Big Bear, Lake Arrowhead, and Angelus Oaks, may benefit from DE program offerings.

## 5. Preparation and Planning Process

In spring 2015 the College received the Commission's recommendation regarding Distance Education. Immediately following, a DE Coordinator job description was developed by the Educational Technology Committee and forwarded to the Academic Senate for approval. Subsequently, approvals from Crafton Council and the bargaining unit were also obtained. In June 2015 the DE Coordinator was selected and approved by the San Bernardino Community College Board of Trustees.

The new Distance Education Coordinator worked during the summer of 2015 to update the DE Plan, to review all online curricula, and to determine the extent to which programs can be offered in an online format. As a result of this examination, the College found that at least 50 percent of several programs could be completed in a DE format. The Accreditation Liaison Officer contacted ACCJC in November, 2015 and was advised to send a request for Substantive Change review to the commission to ensure the College aligns with ACCJC standards.

The updated DE Plan was approved by the Academic Senate on January 26, 2016.<sup>xii</sup>

The Student Success, Equity, and Enrollment Management (SSEEM) Committee had conducted an equity audit in the fall of 2014 that showed working-age adults, military veterans, and individuals with disabilities were disproportionately impacted with regard to degree completion and transfer. With input from committees and constituencies, the SSEEM Committee approved the development of DE course and program offerings as an effective alternative for these groups, voting to fund the DE Coordinator with Equity funds.

During 2015-16, the Counseling Center and the Tutoring Center examined and selected online tools for service delivery. Both departments will implement their online services in spring or summer of 2016.

### D. Resources and Processes

#### 1. Student Support Services

Online student services have been enhanced to better serve DE students. Online service options are available for students in Admissions and Records, Counseling, Tutoring Services, Library Services and the College Bookstore.

#### Student Guidance

The CHC homepage includes a pull down menu titled Online Students, which includes links to Distance Education Resources<sup>xiii</sup>.

1. The first link, titled *Online Classes*, explains the difference between online and Hybrid courses.
2. The second link, titled *Browse Online Courses*, includes a link to each of the online courses for the current term and the upcoming term.

3. The third link titled: *Is Online Right for Me?* explains what is required to succeed in an online course. There are also two skills exams the student can take to assess their readiness to take an online course
4. The fourth link, titled *Technical Requirements*, lists the minimum hardware and software a student should have access to and provides a link to several Blackboard tutorials.
5. The fifth and final link, titled *Out of State Online Students*, explains the US Department of Education regulations regarding distance education for out-of-state students. Resources and a Blackboard login were added to the logins pull down menu also located on the CHC homepage.

### **Admissions and Records**

The College website is the gateway to CHC for prospective students. Important information regarding deadlines, pre- and co-requisites, program information, and policy information is available on this site. From the Admissions & Records webpage, students can also order transcripts and submit requests for enrollment and degree verifications<sup>xiv</sup>.

Students apply to the college online via the statewide OpenCCC Apply application. A link to the application is available on the Admission & Records webpage under “Apply.” Through WebAdvisor, CHC’s student portal, students may register and pay for classes, drop or withdraw from classes, update contact information, check their grades, and more.

Admissions staff members provide direct assistance to students with online processes. Student employees are available to assist students in accessing OpenCCC Apply, WebAdvisor, and other College systems.

### **Orientation**

In 2011 Crafton Hills College entered into a \$50,000 contractual agreement with Cynosure New Media to develop and maintain the online orientation product on a one-time cost basis. There is no annual subscription cost and minor changes can be requested as needed. Assistance from the San Bernardino Community College District (SBCCD) Technology and Educational Support Services (TESS) is required to maintain the server and program as well as provide and support the programming necessary to record participation in the orientation to the student record in Ellucian, the district's student information system.

The online orientation is accessible to students through their WebAdvisor log-in<sup>xv</sup>. Students can also access Student Planner and their Student Education Plan (SEP) through the portal but must, at this time, complete it in a face-to-face group or individual counseling session. The general college orientation is provided in an online format. All entering students, regardless of entry point or special program, are required to participate in the online orientation. Online orientation is offered in English and Spanish and in accessible formats.

To assure confidentiality, only general enrollment and program information is provided via electronic means. Students may email the counseling office with questions which are forwarded to counselors for their reply.

### **Counseling and Educational Planning**

The online Student Planner was implemented and became available to Crafton Hills College students in fall 2014. This online tool allows for increased student participation and engagement in the educational planning process. However, because the Student Planner is not integrated with other important functions, such as Early Alert, the College decided to participate in the statewide Educational Planning Initiative (EPI), a large-scale project that seeks to design and make available a robust online planning tool available to all California Community Colleges. The EPI tool includes a student portal, education planning, degree audit, early alert, articulation functions, (e.g. integration with the C-ID approval and ASSIST), curriculum inventory, ETranscript, and Common Assessment. The College is planning to pilot the Educational Planning/Degree Audit in the summer of 2016.

The Counseling Center is developing an online counseling service. In the summer of 2015, the CHC counseling faculty selected PrepTalk as the online tool for the provision of distance counseling<sup>xvi</sup>. PrepTalk is a web-hosted enrollment management and communication tool that can be tailored to provide one to one communication, screen sharing, and workshop participation, all well-suited to the counseling milieu. Additionally, PrepTalk has an international translator feature which aligns with the College's efforts to provide a robust International Students program.

PrepTalk was piloted in fall 2015 with Master Students (a classification of student worker charged with assisting other students to navigate college processes). The pilot will be expanded in spring 2016 to learning communities to which a counselor has been assigned. The tool will be marketed to all students beginning summer 2016.

### **Tutoring Services**

The Tutoring Center offers on site tutoring to all currently enrolled Crafton Hills College students. Although the Tutoring Center has not offered online tutoring in the past, there are plans to offer online tutoring in the upcoming year (16-17). The Tutoring Center Coordinator will work with the ETC to evaluate, recommend, and adopt an online tutoring program or service.

### **Campus Bookstore**

CHC Students can rent or purchase textbooks and course supplies online and have them shipped to their home or pick them up at the Campus Store<sup>xvii</sup>. Textbooks are available to purchase or rent one week prior to the start of the semester in the Campus Bookstore. Textbook Information is available via the Bookstore website at the time of registration.

## Library Resources

Distance Education students have 24/7 access to library resources including free Consortium privileges to the libraries of surrounding colleges and universities, and access to the World-cat (OCLC ILS) worldwide book locator system and numerous electronic databases containing educational, scholarly, and academic materials<sup>xviii</sup>.

Librarian research and instructional support is provided through online courses such as Library Research & Information Competency, Information Literacy, and Online Student Learning. Phone numbers of the circulation and reference desks are posted on the Library webpage<sup>xix</sup>, and individual contact information of Library staff is listed on the Staff page<sup>xx</sup>. The Librarians return emails and voice messages throughout their assigned workday.

DE instructors may reserve use of the Library's computer classroom as needed and/or speak to or email an instructional librarian during the hours the Library is open. The Library computer classroom can be reserved in advance on the Library Website with or without a Librarian in attendance.

### 2. Sufficient and Qualified Faculty

Faculty who request to teach a DE course must verify that they have acquired the knowledge and skills necessary to successfully teach online. This is to ensure quality instruction in CHC distance education courses. As of spring 2015, 44 (19 FT and 25 PT) CHC faculty members were approved to teach online. The faculty certificate for DE delivery requires the completion of the following CHC instructor approval processes:

1. The applicant must complete and submit to his/her Department Chair the CHC DE Intent to Teach Form documenting the training he/she had received in preparation to teach online.
2. The intent to teach form is reviewed by members of the ETC, who determine if the candidate has acquired the knowledge and skills required to successfully teach online.
3. Once approved the instructor must complete an online readiness quiz and demonstrate proficiency in each of the skills delineated in the Hands-on Skills Checklist.
4. The final step in the instructor approval process is course development. The candidate is required to build a course in the LMS containing at minimum, two weeks of online course content. The developmental course must include each of the components delineated in the Course Readiness Checklist including: course objectives, SLOs, assignments, exams and due dates, grading rubrics/policies/expectations, discussion forums, FAQs and accommodations for students with disabilities.
5. The members of the ETC conduct a formative review process to verify that the developmental course includes all required components as listed in the CHC online course readiness checklist. They also verify that all support services are listed

(library, testing accommodations, etc.) and that accessibility requirements according to Section 508 Guidelines have been met.

6. Once the ETC certifies that a course meets all expectations, it forwards a formal recommendation to the Vice President of Instruction approving said faculty member to teach online.

### 3. Professional Development

Professional development for online instruction and services is shared among three entities: the Educational Technology Committee (ETC), which is an Academic Senate committee; the Professional Development Committee, which reports to Crafton Council, and the District Distance Education Department. The ETC and the Professional Development Committee identify and recommend professional development for all DE faculty members. The District's Distance Education Department collaborates with the CHC Professional Development committee to schedule and provide instructional technology training and workshops that focus on current issues and technologies related to teaching and learning in an online environment. The training has been offered, and will continue to be offered, through both campus-based and web-based delivery modes. In fall 2015, 60 faculty members completed the introduction to online learning course, hosted by @One, an online teaching certification program. An additional 60 are expected to complete the @One training in accessible online course design in spring 2016.

### 4. Equipment and Facilities

The District Technology and Educational Support Services (TESS), led by an associate vice chancellor who reports directly to the chancellor, is responsible for distributed education, administrative applications, information technology, and graphics and printing services. The College Technology Services department is responsible for a considerable amount of infrastructure. The department receives approximately \$397,197 per year from District capital outlay funds to replace outdated computers on a five-year rotation. The department and the District purchasing department maintain an asset list by location to ensure equipment is inventoried and tracked.

TESS is responsible for all core technology and communication systems of the District and assists employees with account management, training in the use of project management tools and applications, application development, classroom support, media and event support, software, web and internet assistance, archive management support, technology procurement, the student information system, and all District-wide hosted applications.

As part of an infrastructure upgrade and new construction at the College, all data closets are designed with a dual homed system to provide the highest levels of reliability for the campus network. All of the vital communications components, such as the primary data center and the Main Point of Entry for communications for the campus are connected to battery backups. Additionally, there are generators prepared to provide power in the event of prolonged power

outages. Technology Services also performs regular data backups of the core server systems. The backup process consists of disk to disk backups with additional backups to tape medium for failsafe redundancy. The entire network infrastructure on the campus has been refreshed over the last two years.

Additionally, the College is moving from a single core network architecture to a dual core architecture with each building being dual homed so that if a single communication path is disrupted, the network will still function. There has been a rollout and expansion of the wireless network across the campus that is serving to steadily increase the amount of area covered. All Crafton Hills College buildings have access to the wireless network. To ensure the department is responsive to the needs of faculty, students, and employees, Technology Services staff work closely with all campus entities.

### 5. Sustainable Fiscal Resources

As of the spring 2015 term, technical support and funding for the DE program has been provided by the District Technology and Educational Support Services (TESS). The Distance Education (DE) Department is one of three services provided by TESS and is comprised of an Associate Vice-Chancellor, two instructional technology specialists, an Administrative Assistant, and a part-time Clerical Assistant II. The Distance Education Department hours of operation are 8:00am – 5:00pm, Monday through Friday. There is also a 24/7 Help Desk number (877-241-1756) available to students, faculty, and staff. The District Distance Education Department supports both Colleges and the District.

In addition to the personnel costs, the District covers the costs for the annual Blackboard license, which is \$95,869. This includes the Blackboard Course Delivery, Content Management, Community Module, Blackboard Collaborate, and Blackboard Mobile Learn. The District also pays \$107,855 annually for Blackboard hosting, which includes managed hosting, 1TB of space, managed hosting test environment, and Blackboard Help Desk.

At the end of the spring 2015 term, CHC hired a 0.5 FTE Faculty Distance Education Coordinator. The 2015-2020 Distance Education Plan includes a projected increase to full-time of the CHC DE coordinator by fall of 2016 and the addition of a full-time instructional designer.

### 6. Budget, Enrollment, and Resources

In the 2014-2015 academic year, CHC offered 58 distance education course sections spanning 19 different disciplines. Distance education courses accounted for eight percent of the college's term FTE.

There were 34 faculty members teaching DE courses in the 2014-2015 academic year. Of the CHC DE course sections, 57 percent were taught by full-time faculty, compared to 43 percent of face-to-face sections.

## 7. Monitoring Achievement of Outcomes

The CHC Research Department provides an annual report on the success and completion rates of DE courses in aggregate as well as by course. Distance education data is collected, examined, and shared with the CHC Academic Senate Educational Technology Committee, which in turn makes recommendations related to supporting and enhancing student success in DE courses<sup>xxi</sup>

The success and completion rates, as compared to the college-wide face-to-face course data, are as follows:

- The College's success rate in online classes in 2014-15 was 70 percent, four percent lower than the college wide success rate of 74.3 percent. However, Crafton's DE course success rate is four percent higher than the statewide DE course success rate of 63 percent.
- The College's course completion rate for online classes in 2014-15 was 87 percent, six percent lower than the college wide completion rate of 91 percent. As is the case with the success rate, the CHC DE course completion rate of 87 percent is also higher than the statewide DE course success rate of 81 percent.

The relevancy and appropriateness of Distance Education courses are evaluated each semester. A five-year examination of Distance Education courses shows the same success rate and a slight increase in completion rates from 2010-2011 to 2014-2015. The same study reveals that when controlling for term, course, and instructor, the overall five-year success rate was statistically the same for both online and face-to-face courses.

Despite the apparent success of DE courses in achieving learning outcomes that are equivalent to courses in other formats, the number of DE sections offered at the College declined from 53 sections in 2009-2010 to 34 sections in 2012-2013, a decrease of 35.8 percent. This is not surprising, however, since the number of sections in all instructional methods declined during the same period. On the other hand, in 2014-2015 the College offered 58 DE sections, which was an increase of 70 percent from the 2012-2013 academic year. We anticipate that the number of DE sections offered at CHC will continue to increase.

## 8. Evaluation and Assessment of Student Learning Outcomes, Achievement, Success

As mentioned above, the College annually monitors the assessment of student outcomes, achievement and success in DE classes. In addition, a college-approved DE course evaluation is provided at the conclusion of each online course section to gather student feedback concerning the course organization, content, and the instructor performance. Despite a tendency for a low response rate, the DE course evaluations demonstrate an overall strong and consistent satisfaction with CHC DE courses. For instance, in spring 2013 95 percent of student respondents would recommend their professor to another student and 91 percent would recommend the specific course. In fall 2014, 91 percent of student respondents would recommend their professor to another student and 95 percent would recommend the specific course. The most recent assessment, in spring 2015, revealed similar outcomes.

Instructors of online courses assess learning outcomes of DE courses. As described above, the learning outcomes are the same for each course regardless of delivery mode.

## E. Internal and External Approvals

### 1. Statement of Approvals Needed

#### a. Administrative

The faculty were closely involved in developing the Distance Education Plan. The final plan was distributed to the entire campus after Academic Senate Review. After changes were made, the Academic Senate and Crafton Council approved the plan.

#### External Regulatory and Legal Requirements

Distance Education degrees and programs are approved by the faculty through the Curriculum Committee, an Academic Senate body. Separate approval is required (Title V section 55206) if any part of the course is modified to be provided through distance education. To meet the requirements of the law and to ensure the effectiveness and quality of the distance education program, Crafton Hills College developed and adopted a Distance Education addendum which is used to approve both online and hybrid courses. The CHC DE addendum was developed by the Educational Technology Committee (ETC) in the fall of 2003 and was approved by the Academic Senate in spring of 2004. The addendum was incorporated into Curricunet in the fall of 2004.

All DE and traditional courses offered have a state course identification number. Approval of this substantive change proposal will allow the College to align with the standards of the ACCJC. The College is currently in warning status, but it is fully accredited.

The SBCCD approved Board Policy (BP 4105) and Administrative Procedure (AP 4105) outline the review and approval procedures for new and existing distance education courses which includes the following elements:

1. course approval
2. certification
3. course quality standards
4. course quality determinations
5. instructor contact
6. duration of approval

### 2. Legal Requirements Met

The College complies with Title 5, §55206 of the California Education Code requiring separate approval if any part of the course is modified to be provided through distance education. As indicated above, the DE addendum must accompany the course outline of record for online and hybrid courses.

The College provides training to online instructors in developing course content that meets the accessibility requirements of Section 508 of the Rehabilitation Act of 1973.

### 3. Governing Board Action

In addition to Curriculum Committee review and approval, the SBCCD Board of Trustees approve all curricula, including courses in DE formats.

## F. Eligibility Requirements

### 1. Authority

Crafton Hills College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC). ACCJC is authorized to operate by the U.S. Department of Education through the Higher Education Opportunity Act of 2008. Crafton Hills College has been accredited since 1972. The college conducts regular self-evaluations in accordance with ACCJC standards.

### 2. Mission

The mission of Crafton Hills College can be found in the College Catalog, the Educational Master Plan, the Organizational Handbook, and on the minutes and agendas of most participative governance committees. The Board of Trustees approved the mission, vision, and values statements of Crafton Hills College in October, 2014. The College mission, “To advance the education and success of students in a quality learning environment,” reflects and includes all delivery modes.

### 3. Governing Board

A seven-member Board of Trustees comprises the governance body of the San Bernardino Community College District Board of Trustees. The Board holds open, public meetings monthly. Minutes and agendas are published in online and paper formats well in advance of each meeting. Trustee biographies, board minutes and agendas, and board policies and administrative procedures are accessible on the SBCCD website.

### 4. Chief Executive Officer

Dr. Cheryl A. Marshall, President of Crafton Hills College, has oversight of the College’s broad strategic directions and executive responsibilities for administering Board policies and procedures. Board Policy 3100 states the SBCCD Chancellor is responsible for establishing and documenting the organizational structure. The organizational chart of the District and its two campuses are subject to review by the Board.

### 5. Administrative Capacity

Crafton Hills College has sufficient staffing in the management ranks to ensure the college mission is carried out. To qualify for employment with the District, all managers must meet or exceed minimum qualifications<sup>xxii</sup>. The College managers and their degrees are listed in the College Catalog.

## 6. Operational Status

Crafton Hills College currently serves approximately 6,200 students. The College offers more than 37 degree programs and 35 occupational certificate plans. Degree programs span the liberal arts, sciences, vocations and technical studies. The College has responded to community needs by increasing enrollment by 18.8 percent in 2014-15, making Crafton's one of the fastest growing enrollment rates in the state. Because of an increase in enrollments, certificate attainment increased to 347, representing a 19.7 percent increase over the previous year) and degree attainment grew to 487 degrees, representing an increase of 10.4 percent over the previous year. The new Transfer Model Curriculum (TMC) degrees represented 136 of degrees earned. Degrees and certificates awarded in 2013-2014 totaled 834, an increase of 14.1 relative to 2012-2013.

## 7. Degrees

Degree and certificate options at CHC are designed to meet students' diverse goals. The college offers 58 degrees, of which 26 are CSU Transfer Degrees (AA-T or AS-T), as well as 25 certificates. The College schedules degree and program course offerings in a pattern that allows students to meet their educational goals in a timely fashion.

## 8. Educational Programs

The principal degree programs CHC lead to an Associate of Arts or Associate of Science Degree or to transfer to a university with 60 or more units. The College offers 26 Associate of Arts or Science Degrees for Transfer, all of which have been reviewed and approved by ACCJC. In addition, the College offers a Certificate of Achievement in several career or technical fields. Consistent with the College mission and vision, considerable emphasis is placed on meeting the goals and learning needs of each student.

The College Catalog and website list all degree and certificate programs, as well as program and course descriptions of each program. Certificate programs listed in the Catalog include a description of each program's objective.

The online and pdf versions of each semester's schedule of classes include a brief course description, the number of units, meeting pattern, and location of the class.

Last, the CHC Curriculum Committee examines the curriculum for each program to determine that each is need-based and that each meets y meet all requirements with respect to content, rigor, quality, and length, regardless of where the program is offered.

## 9. Academic Credit

Crafton Hills College policies on transfer and awarding of credit are specified in the College Catalog. Credit for courses is based on the "Carnegie unit," which assumes that each student earns one unit based on the completion of 18 hours of in-class and out-of-class work. Each CHC course is of sufficient length and content to comprise its unit

assignment, consistent with Title 5, section 55002.5 of the California Administrative Code.

## 10. Student Learning and Achievement

As described above, student learning outcomes and achievement are assessed for CHC courses and programs regardless of delivery mode. During 2014-15, 97.1 percent of courses and 98 percent of programs had undergone at least one assessment cycle. All six of the College's Institutional Learning Outcomes have been assessed. Program and course-level outcomes are mapped to General Education and Institutional Learning Outcomes, regardless of delivery mode.

## 11. General Education

General Education courses are incorporated into all Crafton Hills College degree offerings<sup>xxiii</sup>. General Education at CHC is designed to prepare students to:

- Analyze, synthesize, and evaluate various forms of information
- Demonstrate effective oral and written communication
- Analyze and use quantitative and qualitative information
- Apply problem-solving and decision-making skills utilizing multiple methods of inquiry;
- Recognize the contributions of the arts, humanities, and sciences
- Make informed decisions regarding physical, mental and emotional health issues
- Develop social awareness and a global perspective
- Understand the power and complexity of diversity

General education courses are clearly identified in the College Catalog<sup>xxiv</sup>. A thorough description of each General Education course is also provided in the College Catalog; course descriptions are organized by discipline.

Outcomes for each General Education cluster are described in the College Catalog. Outcomes for each course are assessed in accordance with the CHC Institutional Assessment Plan, and are linked with the appropriate General Education outcome in the College online assessment web tool.

The Curriculum Committee is charged by the Academic Senate to ensure the academic rigor and quality of all CHC courses, including those designated as General Education. Courses are taught in accordance with the Course Outline of Record.

## 12. Academic Freedom

The San Bernardino Community College District is committed to the principle that the free expression of ideas is essential to the education of its students and to the effective governance of its colleges. The free expression of ideas is limited only by the principles

of fairness, respectful expression, and the careful differentiation between fact and opinion. No limitations are placed upon study, investigation, presentation, and interpretation of facts and ideas. Students have the opportunity to study controversial issues and divergent view. Academic employees are obligated to protect the student's right to freedom of inquiry, even when the conclusions of such inquiry different from those of the employee. The Board Policy and Administrative Procedure (4030) on Academic Freedom are posted on the San Bernardino Community College District website<sup>xxv</sup>. In addition, the College Catalog contains information about academic freedom, as well as a reference to the Board Policy.

### 13. Faculty

As of fall, 2014 Crafton Hills College employed 68 tenured/tenure track faculty, and over 205 part-time faculty. All CHC faculty meet minimum qualifications for their discipline, as stipulated in board policy and in the California Teachers Association (CTA) Bargaining Agreement. The CTA contract contains a full description of faculty responsibilities, including a 2013 Memorandum of Understanding between CTA and SBCCD that outlines faculty responsibility for:

- a. Writing and revising learning outcomes
- b. Choosing a method to measure the learning outcomes
- c. Setting a numerical target for outcome results
- d. Assessment of the learning outcomes
- e. Participating in departmental meetings
- f. Documenting the results of the cycle.

The faculty evaluation includes a self-assessment of participation in outcomes assessment, defined above in the language of the MOU<sup>xxvi</sup>.

In addition, the Academic Senate of CHC approved a resolution stating the assessment of student learning for the purpose of student achievement and program effectiveness is a faculty right and responsibility<sup>xxvii</sup>.

### 14. Student Services

Bookstore. Students can order textbooks and supplies online through the CHC Bookstore. Links to the online book ordering service are available in the college e-schedule. Students may view or order books for a specific course while perusing the schedule.

Financial Aid. The Financial Aid department's website allows students to download financial aid forms, sign up for a Student Loan Marketing Association (Sallie Mae) debit card, apply for Federal Work Study, and view the financial aid refund policy. The website also includes links to the Federal Application for Federal Student Aid (FAFSA) and to online financial aid resources such as scholarship sites, a net price calculator to

determine the cost of attendance, the College Board, and the California Student Aid Commission<sup>xxviii</sup>.

Academic Advising, Counseling, and Transfer. Degree and transfer information is provided in the CHC Catalog, the Online Orientation, and the New Student Handbook.

Assessment and Placement. Students interested in pursuing a degree or certificate requiring math or English must take the College assessment.

College Police and Security. The District Police are responsible for the safety and security of students, staff, and property throughout the District. Contact information and the Annual Security Report are available on the College and District webpages<sup>xxix</sup>.

Disabled Student Programs and Services (DSPS). DSPS is available to provide assessment, advisement, testing accommodations, assistive technology, textbooks in alternate formats, and other academic adjustments to qualified students. Licensing exams are also available to students. Additionally, the DSPS department reviews medical and mental health documentation and has developed an appropriate referral and accommodation plan for students with learning and psychological challenges. DSPS services are described in the online orientation, the College catalog, the New Student Handbook, and the College website<sup>xxx</sup>.

Extended Opportunity Program and Services (EOPS)/ Cooperative Agencies Resource for Education (CARE)/ California Work Opportunities and Responsibility to Kids (CalWORKS). Crafton Hills College has EOPS/CARE/CalWORKS programs that serve approximately 354 financially disadvantaged students. The College online orientation, College Catalog, New Student Handbook, and College website contain information about these programs<sup>xxxi</sup>.

Health and Wellness Center. The Health and Wellness Center (HWC) provides mental health counseling, inoculations, and medical intervention to all enrolled CHC students. The department's website provides a wealth of information and resources to students, including online quizzes regarding drug and alcohol use, a list of service providers, and Twitter announcements of current HWC activities<sup>xxxii</sup>.

## 15. Admissions

Students may access online application and registration via the statewide CCCApply portal. Students can register and pay for classes, withdraw from classes, and check their grades through WebAdvisor. In addition, they may order transcripts online and submit online requests for enrollment and degree verification. They may also purchase a parking pass online.

WebAdvisor, the CHC online portal, provides students with important information regarding deadlines, pre- and co-requisites, program information, and policy information. Students can update their contact information in WebAdvisor.

## 16. Information and Learning Resources

The College provides learning, information, and tutorial support through several programs, including the Tutoring Center, the Science, Technology, Engineering, and Mathematics (STEM) Trek Program, a Title V grant-funded program, Disabled Student Programs and Services, and the CHC Library. Most tutorial and learning support services are offered in face-to-face formats, although the Tutoring Center is in the process of choosing and implementing an online tutoring tool. Tutoring appointments can be made online.

All SBCCD students can use the San Bernardino Community College District *Libraries and Beyond* link to search for books and informational materials. The College Library also provides access to a large collection of over 150,000 eBooks that are accessible online through EBSCO Host. A broad range of library databases, such as EBSCO Host, Political Science Complete, and Vocational Studies Complete is available for student use.

## 17. Financial Resources

Campus financial planning and information for Crafton Hills College is the responsibility of the president of Crafton Hills College in collaboration with the Vice President of Administrative Services and the Vice Chancellor of Fiscal Services. At the District level, the Vice Chancellor of Fiscal Services oversees all fiscal matters, including the budget development process, accounting, purchasing, contracts, and District strategic planning. Enrollment targets and College allocations are determined by the vice chancellor in consultation with the College administration and are based on the SBCCD Resource Allocation model.

The annual District budget serves as a financial plan for all District entities and is widely distributed. District budgets are available on the District website. General, restricted, and categorical funds are identified in the budget development process to support instructional programs and student services. The annual budget identifies revenues and their sources and amounts, and provides a detailed description of budgeted revenue and expenditures by fund.

## 18. Financial Accountability

As a community college district and public entity, San Bernardino Community College District is required to have an annual audit of financial statements. The District contracts with an independent audit firm to conduct the annual audit. The District makes each final audit report available to the public with all other annual reports.<sup>xxxiii, xxxiv</sup>

A typical annual financial audit consists of the following:

1. Pre-audit conference between the Internal Auditor and the independent audit firm
2. Interim fieldwork consisting of compliance elements and internal control testing
3. Year-end fieldwork consisting of the drafting of the District's financial statements and testing of the balance sheet accounts
4. Receipt and review of the independent audit firm's report
5. Acceptance of the independent audit firm's report by the Board of Trustees and submission to the State of California and the California Community College Chancellor's Office

Annual audit reports are available online at the District Website.

### 19. Institutional Planning and Evaluation

The College Planning and Program Review (PPR) Committee is a cyclical and sustainable process that is central to integrated planning, evaluation, and resource allocation. Each unit participates in a full program review every four years and completes the Annual Planning questionnaire during alternate years. Each unit in each of the four major administrative areas--President, Student Services, Instruction, and Administrative Services--has participated in at least one cycle of program review and has submitted at least one annual plan.

Over the past several years, the College has continued to revise and refine PPR to ensure clarity and shared understanding of the purpose, evaluative standards, and product of the process. The committee has built into its calendar a process of continuous quality improvement consisting of direct feedback from PPR participants. Currently, the PPR web tool is also the common site for reporting improvements based on the assessment of outcomes.

In addition to the planning and program review process, the College is guided by its Educational Master Plan. The Educational Master Plan Committee (EMPC) is the body responsible for reviewing, revising, and updating the plan with input from the campus community. The Educational Master Plan can be viewed online by accessing the link under *Faculty and Staff*.

### 20. Public Information

The college catalog is available at the Crafton Hills College website under the *Prospective Student* and *Current Student* links. The online catalog contains all policies affecting students. Policies can also be accessed online at the District website. A link to the District website is provided at the bottom of the CHC homepage. Student policies and procedures are also described in the Online Orientation, the New Student Handbook, and the Schedule of Classes.

## 21. Relations with Accrediting Commission

The CHC Catalog includes a general statement of accreditation in the President's Message, a description of the College, degrees and certificate programs, and policies and procedures. The front page of the website has a direct link to the College Accreditation reports from 2005 to the present, and a link to the ACCJC website. Students and community members can file a complaint with ACCJC through our *Contact Us* link which includes a form for local complaints and a link to the ACCJC complaint form. The student policies and procedures section of the College Catalog includes a table listing the responsible party for each policy, including Accreditation.

All Crafton Hills College AA-T and AS-T degrees have been submitted to the Commission for review and approval through the Substantive Change process. In 2014, Commission approval was sought and received through the Substantive Change process for the temporary relocation of the Basic Fire Academy.

### G. Accreditation Standards

#### 1. Standard I

The development of Distance Education courses and programs aligns with the College mission and vision in two ways. First, the mission specifically mentions the education and success of students. Providing robust DE programming will allow increasing numbers of working adults, individuals with disabilities, and military veterans to access and complete courses, programs, certificates, and degrees to a greater degree.

Second, the mission specifies a quality learning environment. Distance education programs improve the quality of the learning environment by improving access for students who cannot travel to the campus, and by providing instruction in a convenient, flexible format. The quality of instruction has been addressed through the adoption of DE course design standards, DE faculty approval processes, and ongoing professional development for DE faculty.

Institutional effectiveness is continuously assessed at the course, program, and college level. The Distance Education plan aligns closely with the Educational Master Plan.

#### 2. Standard II

Crafton Hills College assures the quality of instruction and resources provided to students in all courses, regardless of delivery modality. All CHC instructional courses and programs, regardless of location or method of delivery, are reviewed and approved by the Curriculum Committee. Course content aligns with the course outline of record. These are updated on a periodic basis. Instruction of each course is delivered using the most appropriate pedagogical techniques and technology, as outlined in the course outline of record. All sections meet the level of depth and rigor stipulated in the official course outline of record.

CHC Faculty are expected to assess student learning outcomes for all courses at least on a periodic basis, and to report the results and implications of assessment in the through the annual

Planning and Program Review process. Oversight of the assessment process is provided by the Institutional Effectiveness, Accreditation, and Outcomes Committee (IEAOC), a participative governance committee comprised of administrators, faculty, staff, and students. The quality of each instructional program is assessed through the annual Planning and Program Review process.

The College provides a catalog that includes a description of services available to students, policies affecting students, and certificate and degree pathways. The College provides services in both face-to-face and online formats. Many services, such as general orientation, DSPS orientation, college application, registration, transcripts, counseling chats, and financial aid application, are available online. Links to the Online Orientation, the Student Handbook, and an online evaluation of New Student Orientation are provided in the Counseling department's Orientation. In addition, students will be able to access online counseling beginning summer 2016. As mentioned above, the College is currently in the process of implementing online counseling and tutoring services. The pilot phases for these services are expected to be complete by June 2016. All Student Services assess program-level outcomes and use the resultant information for program improvement. The quality of Student Services units is assessed through the annual Planning and Program Review process.

### 3. Standard III

Crafton Hills College hires all personnel, including those who teach Distance Education courses or provide services to online students, in accordance with established SBCCD Board Policies and Administrative Procedures, as well as in alignment with current bargaining agreements. The College uses the Planning and Program Review process to identify institutional priorities and required personnel and resources.

The District and the College have the equipment and facilities necessary to provide excellent instruction in a quality learning environment. Access to most library, learning resource, and student services is available to DE students, and services are expected to be expanded by summer 2016.

Last, Crafton Hills College develops an annual budget based on the results of its integrated planning process and in alignment with its Educational Master Plan. The Budget Committee reviews and recommends adoption of the final budget to the Crafton Council, which then makes a recommendation to the President for adoption. The budget development process reflects participative governance and integrated planning across the College's diverse constituencies.

### 4. Standard IV

The governance processes of Crafton Hills College are carefully outlined in the annually-updated Organizational Handbook, available online for faculty, staff, and the community. Collegial consultation committees have representation from administration, faculty, classified staff, and students. Inclusiveness on all shared governance bodies is consistent with Education Code, Title 5, and SBCCD Board Policy. With respect to academic and professional matters, the San Bernardino Community College Board of Trustees has adopted a standard by which it will rely

primarily upon the Academic Senate's recommendations in each of the ten domains described in the California Education Code, Title 5, §53200, as well as others that are agreed upon.

## Appendices

Appendix A: Definitions of Distance Education and Distributed Education

Appendix B: General Education Patterns: DE Courses

Appendix C-1: AA-T, AS-T, AA, and AS Degrees, 50 Percent or Greater DE

Appendix C-2: AA, AS Degrees, At Least 40 Percent DE

Appendix D-1: Certificates, 50 Percent or Greater DE

Appendix D-2: Certificates, At Least 40 Percent DE

Appendix E: Membership and Participation, Distance Education Planning

## Appendix A: Definitions of Distance Education and Distributed Education

### **1. Title 5 section 55200**

#### **55200. Definition and Application.**

*Distance education means instruction in which the instructor and student are separated by distance and interact through the assistance of communication technology. All distance education is subject to the general requirements of this chapter as well as the specific requirements of this article. In addition, instruction provided as distance education is subject to the requirements that may be imposed by the Americans with Disabilities Act (42 U.S.C. §12100 et seq.) and section 508 of the Rehabilitation Act of 1973, as amended, (29 U.S.C. §794d).*

*NOTE: Authority cited: Sections 66700 and 70901, Education Code. Reference: Sections 70901 and 70902, Education Code; Title 29 United States Code Section 794d, and Title 42 United States Code Section 12100 et seq.*

### **2. ACCJC page 2 of the Guide to Evaluating Distance and Correspondence Education June, 2013**

Distance education is defined, for the purpose of accreditation review as a formal interaction which uses one or more technologies to deliver instruction to students who are separated from the instructor and which supports regular and substantive interaction between the students and instructor, either synchronously or asynchronously. Distance education often incorporates technologies such as the internet; one-way and two-way transmissions through open broadcast, closed circuit, cable, microwave, broadband lines, fiber optics, satellite, or wireless communications devices; audio conferencing; or video cassettes, DVDs, and CD-ROMs, in conjunction with any of the other technologies.

#### **SAN BERNARDINO COMMUNITY COLLEGE DISTRICT ADMINISTRATIVE PROCEDURE 4105 (was 4108) DISTANCE EDUCATION**

Definition: Distributed Education means instruction in which the instructor and student are separated by distance and interact through the assistance of communication technology.

Course Approval: Each proposed or existing course offered by distributed education shall be reviewed and approved separately. Separate approval is mandatory if any portion of the instruction in a course or a course section is designed to be provided through distributed education.

The review and approval of new and existing distributed education courses shall follow the curriculum approval procedures outlined in Administrative Regulation 4020, Program and Curriculum Development. Distributed education courses shall be approved under the same conditions and criteria as all other courses.

Certification: When approving distributed education courses, the Board will certify the following:

Course Quality Standards: The same standards of course quality are applied to the distributed education courses as are applied to traditional classroom courses.

Course Quality Determinations: Determinations and judgments about the quality of the distributed education course were made with the full involvement of the curriculum committee approval procedures.

Instructor Contact: Each section of the course that is delivered through distributed education will include regular effective contact between instructor and students.

Duration of Approval: All distributed education courses approved under this procedure will continue to be in effect unless there are substantive changes of the course outline.

APPROVED: February 2009

## Appendix B: CHC, CSU, and IGETC General Education Patterns: DE Courses

### CRAFTON HILLS COLLEGE

AA/AS Degree Requirements 2015-2016 (DE courses are indicated in red/boldface)

Completion of a minimum of **twenty-eight (28) units (25-26 of the 28 can be completed through Distance Education)** of general education must be distributed as indicated. No single course may be used to meet more than one general education requirement, **except in areas F1 and F2**. However, courses taken to complete a major may also apply to general education.

#### A. NATURAL SCIENCES (4 UNITS) (CAN ALL BE DONE ONLINE)

ANAT 101, 150, 151, ASTRON 150, 150H AND 160, BIOL 100, 130, 130H, 131, 131H, **CHEM 101, 102**, 150, 150H, 151, 151H, 212, 213, ENVS 101 or ENVS 101H AND 110, GEOG 110 or 110H AND 111 or 111H, 114, **GEOL 100, 100H, 101** or 101H AND 160, 112, MICRO 102, 150, **OCEAN 100**, PHYSIC 100, 110, 111, 200, 201, 250, 251, 252

#### B. SOCIAL AND BEHAVIORAL SCIENCES (3 UNITS) (CAN ALL BE DONE ONLINE)

**ANTHRO 100, 102, 102H, 106, 106H, 107, BUSAD 100, CD 105, COMMST 135, 174, ECON 100, 200, 200H, 201, 201H, GEOG 102, 102H, 120, HIST 100, 100H, 101, 101H, 107, 145, 150, 170, 170H, 171, 171H, JOUR 135, MCS 120, 132, 136, POLIT 100, 100H, 102, 104, 106, 110, 122, PSYCH 100, 100H, 101, 102, 103, 110, 111, 118, RELIG 120, SOC 100, 100H, 105, 130, 141, 145, 150**

#### C. HUMANITIES AND FINE ARTS (6 UNITS) (CAN ALL BE DONE ONLINE)

##### 1. Humanities-3 units from the following:

ANTHRO 107, 110, ARABIC 101, 102, 103, 104, ASL 101, 102, 103, 104, ENGL 108, 109, 150, 152, **155**, 155H, **160**, 163, 175, 250, 260, 261, 270, 271, 275, 280, 281, FRENCH 101, 102, 103, 104, **HIST 100, 100H, 101, 101H, 107, 135, 145, 150, 170, 170H, 171, 171H, HUM 101, 102, 103, 140, JAPN 101, 102, 103, 104, MCS 110, 136, PHIL 101, 101H, 105, 105H, RELIG 100, 100H, 101, 101H, 110, 113, 120, 135, 175, 176, RUS 101, 102, SPAN 101, 102, 103, 104, 157, 158, THART 108, 109**

##### 2. Fine Arts-3 units from the following:

**ART 100, 100H, 102, 102H, 103, 105, 113, COMMST 120, 120H, DANCE 200, 200H, ENGL 170, 232, HUM 103, 140, MUSIC 100, 103, 103H, 120, 120H, 134, THART 100, 100H**

#### D. LANGUAGE AND RATIONALITY (13-14 UNITS) (10 of the 13-14 UNITS CAN BE DONE ONLINE)

##### 1. Written Traditions-4 units from the following: ENGL **101**, 101H, 146

##### 2. Oral Traditions-3 units from the following:

BUSAD 145, 155, **COMMST 100**, 100H, 111, 111H, 140, 145, 155

##### 3. Quantitative Reasoning 3-4 units from the following:

CSCI 200, MATH 095, 095C, 102, 103, 108, 110, 115, 141, 160, 200, 250, 251, 252, 265, 266, PSYCH 108, 120

##### 4. Critical Thinking and Informational Literacy-3 units from the following:

**COMMST 125, 125H, ENGL 102, 102H, LIBR 100, PBSF 127, PHIL 103**

#### E. HEALTH AND WELLNESS (2-3 UNITS) (CAN ALL BE DONE ONLINE)

DANCE 101, 102, 103, 104, 130 (A,B,C, or D), 143 (A,B,C, or D), 163 (A,B,C, or D), **HEALTH 102, 263**, 263H, KIN/D, KIN/F, KIN/S (all courses)

F. As part of the 28 units of general education coursework, students must satisfy the following two requirements:

##### 1. Diversity and Multiculturalism-A minimum of one course chosen from this group may be taken as part of areas A-E above. (CAN ALL BE DONE ONLINE)

ANTHRO 107, 110, ARABIC 101, 102, 103, 104, ASL 101, 102, 103, 104, **COMMST 174, ENGL 160**, 163, 280, 281, FRENCH 101, 102, 103, 104, GEOG 102, 102H, HIST 107, 150, 170, 170H, 171, 171H, HUM 101, 102, 140, JAPN 101, 102, 103, 104, MCS 110, 120, 132, 136, **RELIG 101**, 101H, 110, 113, 120, RUS 101, 102, SPAN 101, 102, 103, 104, 157, 158, SOC **105**, 41, 145, 150

##### 2. American Heritage-A minimum of one course chosen from this group may be taken as part of areas A-E above. (CAN ALL BE DONE ONLINE)

ENGL 260, 261, **HIST 100**, 100H, **101**, 101H, **135**, 145, **MUSIC 103, 134**, POLIT 100, 100H, **RELIG 135**

CHC GENERAL EDUCATION (Minimum 28 units)

# CRAFTON HILLS COLLEGE

## CALIFORNIA STATE UNIVERSITY (CSU) GENERAL EDUCATION REQUIREMENTS 2015-16

### General Provisions:

1. Students are required to **complete a minimum of 39 units in areas A-E (36 of the 39 units can be completed online)** for full certification of lower division general education requirements. **Upon request to the Admissions and Records Office, CHC will certify** completion of the following pattern to be applied toward the total general education requirement at any CSU.
2. This pattern of general education **IS NOT** applicable to any campus of the University of California (UC). Please refer to the specific UC catalog of your choice, and/or the Intersegmental General Education Transfer Curriculum (IGETC) for transfer to CSU and UC.
3. Completed courses **MAY NOT** be applied in more than one area.
4. **COURSES IN BOLD PRINT ARE RETROACTIVELY APPROVED FOR FALL 2014 AND THEREAFTER.**

### A. ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING (CAN BE COMPLETED ONLINE)

9 semester units or 12 quarter units required. Students **MUST** complete one course in each of the three areas listed with a "C" or better **prior to transfer**.

1. **COMMST 100**, 100H, 111, 111H or 140
2. **ENGL 101**, 101H
3. **COMMST 125**, 125H, **ENGL 102**, 102H or **PHIL 103**

### B. SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING (CAN BE COMPLETED ONLINE)

9 semester units or 12 quarter units required. **Choose** at least one course from each area. At least one of the science courses must have a laboratory.

Laboratory courses are underlined.

#### 1. Physical Science

ASTRON 150, 150H + 160; **CHEM 101**, **102**, **123**, 150, 150H, 151, 151H, 212, 213; **ENVS 101**, **101H**, **110**; GEOG 110, 110H, 111, 111H, 114, **115**, 126; GEOL 100, 100H, 101, 101H, 112, 113, 150, 150H, 160, 250; **OCEAN 100**, **101**, 101H; PHYSIC 100, 110, 111, 200, 201, 250, 251, 252; **PS 101**

#### 2. Life Science

ANAT 101, 150, 151  
**ANTHRO 106**, 106H BIOL  
100, 123, 130, 130H, 131, **131H**  
**ENVS 101**, **101H**, **110**  
MICRO 102, 150

#### 3. Laboratory Activity

This requirement is satisfied by completion of any laboratory course in B1 or B2. **Laboratory courses are underlined.**

#### 4. Mathematics

One course required with a "C" or better **prior to transfer**. CSCI 200; **MATH 102**, **103**, 108, **110**, **115**, 141, 160, 200, 250, 251, 252, 265, 266; PSYCH 108, 120 (PSYCH 120 approved for fall 2015 and thereafter)

### C. ARTS AND HUMANITIES (CAN BE COMPLETED ONLINE)

9 semester units or 12 quarter units required. **MUST** include at least one course from area 1 AND area 2. **Two** courses maximum per discipline may be applied.

1. **ART 100**, **100H**, **102**, **102H**, 103, 105, **113**

**DANCE 200**, **200H**

ENGL 108, 109, 226

**HUM 140**

**MUSIC 100**, **103**, 103H, **120**, 120H, **134**;

THART 100, 100H, 108, 109, 226

2. ANTHRO 107, 110, ARABIC 101, 102, 103, 104, ASL 101, 102, 103, 104

**ENGL 150**, 152, **155**, 155H, **160**, 163, 170, 175, 232, 250, 260, 261, 270, 271, 275, 280, 281

FRENCH 101, 102, 103, 104, HIST 100, 100H, 101, 101H, 107, 135, 145, **150**, 170, 170H, 171, 171H HUM 101, 102, 140, JAPN 101, 102, 103, 104, MCS 110, **136**;

**PHIL 101**, 101H, **105**, 105H

**RELIG 100**, 100H, **101**, 101H, 110, 113, **120**, **135**, 175, 176, RUS 101, 102, SPAN 101, 102, 103, 104, 157,

**D. SOCIAL SCIENCES (CAN BE COMPLETED ONLINE – UNLESS POLIT 100 is required)**

9 semester units or 12 quarter units required. **Two** courses maximum per discipline may be applied. POLIT 100 or POLIT 100H **PLUS HIST 100**, 100H, **101**, or 101H fulfill the U S History, Constitution & American Ideals requirements for CSU graduation.

1. **SOC 100**, 100H, **105, 130**, 141, **145**, 150
2. **ANTHRO** 100, **102**, 102H, **106**, 106H, 107, 110, HIST 107, RELIG 110
3. **ECON 100, 200**, 200H, **201**, 201H
4. **MCS 132**, SOC 141
5. **MCS 120, SOC 145**
6. GEOG 102, 102H, 120
7. ANTHRO 107, **HIST 100**, 100H, **101**, 101H, 107, **135**, 145, **150**, 170, 170H, 171, 171H, RELIG 135
8. CD 105, **COMMST 135, 174, JOUR 135**, MCS 110, **136; RELIG 120, SOC 130**
9. POLIT 100, 100H, 102, 104, 106, 110, **122**
10. **PSYCH 100**, 100H, **102, 103, 110, 111, 118**, SOC 150

**E. LIFELONG LEARNING AND SELF-DEVELOPMENT (CAN BE COMPLETED ONLINE)**

3 semester units or 4 quarter units required.

1. BUSAD 155
2. **CD 101, 105**
3. CHC 100
4. COMMST 155, **178**
5. **DANCE 101, 102, 103, 104** (one unit maximum)
6. **HEALTH 102, 263**, 263H
7. **KIN 200** KIN/D, KIN/F (other than 049), KIN/S and any DANCE courses cross-listed with these KIN courses (one unit maximum)
8. **PSYCH 103, 111, 118**
9. SOC 150

# CRAFTON HILLS COLLEGE

## Intersegmental General Education Transfer Curriculum for Transfer to CSU and UC 2015-16

### AREA 1 - ENGLISH COMMUNICATION

CSU - 3 courses required, one from each group below.

UC - 2 courses required, one from group A and one from group B

A. English Composition, **1 course, 3 - 4 semester**/ 4 - 5 quarter units.

**ENGL 101**, 101H

B. Critical Thinking - English Composition, **1 course, 3 - 4 semester**/ 4 - 5 quarter units.

**ENGL 102**, 102H

C. Oral Communication (CSU only), **1 course, 3 semester**/ 4 - 5 quarter units.

**COMMST 100**, 100H, 111, 111H, 140

### AREA 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING: **1 course, 3 - 4 semester**/ 4 - 5 quarter units

A. CSCI 200; **MATH 102\*\***, 108, **110, 115**, 141\*\*, 160\*\*, 200, 250, 251, 252, 265, 266; PSYCH 108

### AREA 3 - ARTS AND HUMANITIES: **At least 3 courses with at least one from the Arts and one from the Humanities, 9 semester**/ 12 - 15 quarter units.

A. ARTS: **ART 100, 100H, 102, 102H**, 103, 105, **113**; **DANCE 200, 200H**; ENGL 108, 109, 226; **MUSIC 100, 103, 103H, 120, 120H, 134**; THART 100, 100H, 108, 109, 226

B. HUMANITIES: ANTHRO 107\*, 110\*; ARABIC 103, 104; ASL 103, 104; **ENGL 150, 152, 155, 155H, 160, 163, 170, 175, 250, 260, 261, 270, 271, 275, 280, 281**; FRENCH 103, 104; **HIST 100\***, 100H\*, **101\***, 101H\*, 107\*, **135\***, 145\*, **150\***, 170\*, 170H\*, 171\*, 171H\*; **HUM 101, 102, 140**; JAPN 103, 104; MCS 110, **136\***; **PHIL 101**, 101H, 105, 105H; **RELIG 100**, 100H, **101**, 101H, 110\*, 113, **120\***, **135\***, 175, 176; SPAN 103, 104

### AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES: **At least 3 courses from at least two disciplines, 9 semester**/ 12 - 15 quarter units

A. **ANTHRO 100, 102, 102H, 106\***, 106H\*, 107\*, 110\*, HIST 107\*, RELIG 110\*

B. **ECON 100\*\***, **200**, 200H, **201**, 201H

C. **MCS 132**, SOC 141\*

D. **MCS 120**, SOC 145\*

E. GEOG 102, 102H, 120

F. ANTHRO 107\*, **HIST 100\***, 100H\*, **101\***, 101H\*, 107\*, **135\***, 145\*, **150\***, 170\*, 170H\*, 171\*, 171H\*; **RELIG 135\***

G. **CD 105, COMMST 135, 174, JOUR 135**, MCS 110, **136\***, **RELIG 120\***, **SOC 130**

H. POLIT 100, 100H, 102, 104, 106, 110, **122**

I. **PSYCH 100**, 100H, **102, 103, 110, 111, 118**

J. **SOC 100**, 100H, **105, 141\***, **145\***, 150\*

### AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES: **2 courses required, one Physical Science course and one Biological Science course; at least one must include a laboratory. 7 - 9 semester**/ 9 - 12 quarter units.

A. PHYSICAL: ASTRON 150, 150H, 160; **CHEM 101\*\***, 102\*\*, 123, 150, 150H, 151, 151H, 212, 213; **ENVS 101\***, **101H\***; **ENVS 110\***; GEOG 110, 110H, 111, 111H, 114, **115**, 126; **GEOL 100, 100H, 101**, 101H, 112\*\*, 113\*\*, 150, 150H, 160, 250; **OCEAN 100\*\***, **101\*\***, 101H\*\*, PHYSIC 100\*\*, 110\*\*, 111\*\*, 200\*\*, 201\*\*, 250\*\*, 251\*\*, 252\*\*; **PS 101**

B. BIOLOGICAL: ANAT 150, 151; **ANTHRO 106\***, 106H\*; BIOL 100, 123, 130, 130H, 131, 131H; **ENVS 101\***, **101H\***; **ENVS 110\***; MICRO 102\*\*, 150\*\*

C. LABORATORY: This requirement is met by completion of any laboratory course in 5A or 5B. Laboratory courses are underlined.

### UC REQUIREMENT ONLY - Language Other Than English

Proficiency equivalent to two years of high school with grades of "C" or better, or one year of college study in the same language.

The following courses at this institution fulfill the requirement.

ARABIC 102, 103, 104, ASL 102, 103, 104, FRENCH 102, 103, 104; JAPN 102, 103, 104, RUS 102, SPAN 102, 103, 104, 157, 158

### CSU GRADUATION REQUIREMENT ONLY - U.S. History, Constitution and American Ideals

This area is not part of IGETC. Courses **MAY** be used to partially satisfy areas 3B or 4 per current IGETC Standards.

6 semester units, one course from group 1 and one course from group 2

Group 1 - POLIT 100, POLIT 100H, Group 2 - **HIST 100**, 100H, **101**, 101H

Course may be listed in more than one area, but may not be applied in more than one area.

\*\*Indicates that transfer credit may be limited by UC or CSU or both. Please see the catalog or consult a counselor.

NOTE: Approved courses are added to the IGETC each year. When a course is approved for IGETC, it will apply ONLY for the year of approval and thereafter.

## Appendix C-1: AA-T, AS0T, AA, and AS Degrees, 50 Percent or Greater DE

AA-T, AS-T, AA and AS Degrees which offer 50 percent or more of the credits in an approved Distance Education format (**DE courses are indicated in red/boldface**).

### American Sign Language (ASL)

#### *American Sign Language - Associate of Arts Degree*

The American Sign Language major at Crafton Hills College is comprised of the four introductory courses in American Sign Language and one course in Deaf Culture. Students must also complete at least two units from the list of elective courses.

#### **Major/Program Requirements**

##### **Required Courses:**

ASL 101	American Sign Language I	4.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00
MCS 110	The American Deaf Experience: Introduction to Deaf Studies	3.00

##### **Students must complete at least two (2) units from the following courses:**

ASL 105	American Sign Language V	3.00
ASL 200	Introduction to Interpreting for the Deaf	3.00
ASL 205	Fingerspelling, Numbers, Classifiers, and Non-Manuals	2.00

**TOTAL CREDIT HOURS: 21.00-22.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 21-22. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at minimum 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## Anthropology (ANTHRO)

### *Associate in Arts in Anthropology for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Anthropology at Crafton Hills College is designed to meet the needs of students transferring to a California State University or University of California who intend to major in Anthropology or a related field of study. Students earning this degree will be able to utilize anthropological theories and research methods to make the unfamiliar familiar and make the familiar unfamiliar; apply archeological and anthropological research methods and explain which would be appropriate in this investigation; identify the components of culture and explain their application to the interpersonal and organizational experience of a given case study; and define ethnocentrism and appraise its role in maintaining social solidarity and its impact on tolerance, pluralism and diversity.

### *Major/Program Requirements*

#### *Required Courses:*

<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
<b>ANTHRO 106</b>	<b>Biological Anthropology OR</b>	<b>3.00</b>
ANTHRO 106H	Biological Anthropology - Honors	3.00
ANTHRO 100	Introduction to Archaeology	3.00
MATH 110	Introduction to Probability and Statistics <b>OR</b>	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

#### *Students must complete at least three (3) units from the following list:*

GEOL 100	Physical Geology <b>OR</b>	4.00
GEOL 100H	Physical Geology-Honors	4.00
<b>PSYCH 101</b>	<b>Research Methods</b>	<b>3.00</b>

#### *Students must complete at least three (3) additional units from the following list:*

ANTHRO 110	Tribal and Ethnic Religions <b>OR</b>	3.00
RELIG 110	Tribal and Ethnic Religions	3.00
ANTHRO 107	The United States and the North American Indians <b>OR</b>	3.00
HIST 107	The United States and the North American Indians	3.00
<b>COMMST 174</b>	<b>Communication in a Diverse World</b>	<b>3.00</b>
GEOG 102	Cultural Geography <b>OR</b>	3.00
GEOG 102H	Cultural Geography-Honors	3.00
GEOG 120	World Regional Geography	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions <b>OR</b></b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00
<b>SOC 100</b>	<b>Introduction to Sociology <b>OR</b></b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00
SOC 141	Minority Relations	3.00

**TOTAL CREDIT HOURS: 19.00-21.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 19.00-21.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 48 units out of 60 or at least 80% of the units required to confer the degree can be completed through distance education.**

## Anthropology - Associate of Arts Degree

### Major/Program Requirements

#### Required Courses:

<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
<b>ANTHRO 106</b>	<b>Biological Anthropology OR</b>	<b>3.00</b>
ANTHRO 106H	Biological Anthropology-Honors	3.00

#### Students must complete at least twelve (12) units from the following courses:

ANTHRO 100	Introduction to Archaeology	3.00
ANTHRO 107	The United States and the North American Indians <b>OR</b>	3.00
HIST 107	The United States and the North American Indians	3.00
ANTHRO 110	Tribal and Ethnic Religions <b>OR</b>	3.00
RELIG 110	Tribal and Ethnic Religions	3.00
GEOG 102	Cultural Geography <b>OR</b>	3.00
GEOG 102H	Cultural Geography-Honors	3.00
GEOG 110	Physical Geography <b>OR</b>	3.00
GEOG 110H	Physical Geography-Honors	3.00
MATH 110	Introduction to Probability and Statistics OR	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
<b>SOC 100</b>	<b>Introduction to Sociology OR</b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. 9.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 45 units out of 60 or at least 75% of the units required to confer the degree can be completed through distance education.**

## Arabic (ARABIC)

### *Arabic - Associate of Arts Degree*

#### *Major/Program Requirements*

##### *Required Courses:*

ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00

**TOTAL CREDIT HOURS: 20.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 20. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## Art (ART)

### *Associate in Arts in Art History for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Art History at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Art, Art History or a related field of study.

#### **Major/Program Requirements**

##### **Required Courses:**

<b>ART 100</b>	<b>Art History I: Prehistoric Art to Medieval Art OR</b>	<b>3.00</b>
ART 100H	Art History I: Prehistoric Art to Medieval Art-Honors	3.00
<b>ART 102</b>	<b>Art History II: Renaissance Art to Contemporary Art OR</b>	<b>3.00</b>
ART 102H	Art History II: Renaissance Art to Contemporary Art-Honors	3.00
ART 113	Survey of Asian Art	3.00
ART 124	Drawing I	3.00

##### **Students must complete at least three (3) units from the following list:**

<b>ART 120</b>	<b>Foundations of Two-Dimensional Design</b>	<b>3.00</b>
ART 121	Foundations of Three-Dimensional Design	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00

##### **Students must complete at least three (3) additional units from the following list:**

ART 105	History of Modern Art	3.00
ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00
ANTHRO 100	Introduction to Archaeology	3.00
<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ENGL 150	Classical Mythology	3.00
<b>ENGL 160</b>	<b>Literature by Women</b>	<b>3.00</b>
ENGL 163	Chicano/Latino Literature	3.00
ENGL 170	The Film Experience	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
HIST 170	World Civilizations (3500 BCE-1500 CE) <b>OR</b>	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE) - Honors	3.00

HIST 171	World Civilizations (1500 CE to the Present) OR	3.00
HIST 171H	World Civilizations (1500 CE to the Present) - Honors	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
<b>HUM 140</b>	<b>Humanities Through the Arts</b>	<b>3.00</b>
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
<b>PHIL 101</b>	<b>Introduction to Philosophy OR</b>	<b>3.00</b>
PHIL 101H	Introduction to Philosophy-Honors	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00
RELIG 113	Introduction to Eastern Religions	3.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00
SPAN 157	Spanish for Spanish Speakers I	5.00
SPAN 158	Spanish for Spanish Speakers II	5.00

**TOTAL CREDIT HOURS: 18.00-20.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00-20.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 48 units out of 60 or at least 80% of the units required to confer the degree can be completed through distance education.**

## Associate in Arts in Studio Arts for Transfer (AA-T) Degree

The Associate in Arts-Transfer (AA-T) degree in Studio Arts at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Art, Studio Arts or a related field of study.

### *Major/Program Requirements*

#### *Required Courses:*

<b>ART 102</b>	<b>Art History II: Renaissance Art to Contemporary Art OR</b>	<b>3.00</b>
ART 102H	Art History II: Renaissance Art to Contemporary Art-Honors	3.00
<b>ART 120</b>	<b>Foundations of Two-Dimensional Design</b>	<b>3.00</b>
ART 121	Foundations of Three-Dimensional Design	3.00
ART 124	Drawing I	3.00

#### *Students must complete at least three (3) units from the following list:*

<b>ART 100</b>	<b>Art History I: Prehistoric Art to Medieval Art OR</b>	<b>3.00</b>
ART 100H	Art History I: Prehistoric Art to Medieval Art-Honors	3.00
ART 113	Survey of Asian Art	3.00

#### *Students must complete at least nine (9) additional units from the following list:*

ART 125	Drawing II OR	3.00
ART 132	Life Drawing I	3.00
ART 126	Painting I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00

**TOTAL CREDIT HOURS: 24.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 24.00. 9.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 45 units out of 60 or at least 75% of the units required to confer the degree can be completed through distance education**

## Art - Associate of Arts Degree

Provides training in art fundamentals to prepare students for transfer or to pursue a career in the arts. The core program provides an introduction to various aspects of studio art and art history, from traditional to the contemporary. Students can create their own emphasis in graphic design, 3D design, sculpture, printmaking, digital video production or studies in a contemporary media such as installation art or/and performance art.

### *Major/Program Requirements*

#### *Required Courses:*

<b>ART 100</b>	<b>Art History I: Prehistoric Art to Medieval Art</b>	<b>3.00</b>
<b>ART 102</b>	<b>Art History II: Renaissance Art to Contemporary Art</b>	<b>3.00</b>
<b>ART 120</b>	<b>Foundations of Two-Dimensional Design</b>	<b>3.00</b>
ART 121	Foundations of Three-Dimensional Design	3.00
ART 124	Drawing I	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00

#### *Students must complete at least six units from the following courses:*

ART 105	History of Modern Art	3.00
ART 119	Digital Video Production	3.00
ART 125	Drawing II	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00
ART 204	Contemporary Topics in American Art	1.00
ART 226	Painting II	3.00
ART 232	Life Drawing II	3.00
ART 247A	Special Projects in Art	1.00-3.00
ART 247B	Special Projects in Art	1.00-3.00
ART 247C	Special Projects in Art	1.00-3.00
ART 247D	Special Projects in Art	1.00-3.00
ART 275	Contemporary Sculpture Techniques	3.00
THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00

**TOTAL CREDIT HOURS: 27.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 27.00. 9.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 39 units out of 60 or at least 65% of the units required to confer the degree can be completed through distance education**

## Biology (BIOL)

### Biology - Associate of Science Degree

#### Major/Program Requirements

##### *Required Courses:*

BIOL 130	Cell and Molecular Biology OR	4.00
BIOL 130H	Cell and Molecular Biology-Honors	4.00
BIOL 131	Populations and Organisms	4.00
CHEM 150	General Chemistry I OR	5.00
CHEM 150H	General Chemistry I-Honors	5.00
CHEM 151	General Chemistry II OR	5.00
CHEM 151H	General Chemistry II-Honors	5.00
PHYSIC 110	General Physics I	4.00
PHYSIC 111	General Physics II	4.00

*Students wishing to earn an A.S. with an emphasis in either Anatomy and Physiology or Microbiology must also complete:*

##### *Emphasis in Anatomy and Physiology:*

ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00

##### *Emphasis in Microbiology:*

MICRO 150	Medical Microbiology OR	5.00
MICRO 102	Introductory Microbiology	4.00
MICRO 247A	Special Problems in Microbiology OR	2.00
MICRO 248A	Special Problems in Microbiology	3.00

**TOTAL CREDIT HOURS: 26.00-34.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 26.00-34.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 31 units out of 60 or 52% of the units required to confer the degree can be completed through distance education.**

## Business Administration (BUSAD)

### *Associate in Science in Business Administration for Transfer (AS-T) Degree*

The Associate in Science-Transfer (AS-T) degree in Business Administration at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in accounting, finance, international business, management, marketing or other business-related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
BUSAD 210	Business Law	3.00
<b>ECON 200</b>	<b>Principles of Macroeconomics OR</b>	<b>3.00</b>
ECON 200H	Principles of Macroeconomics-Honors	3.00
<b>ECON 201</b>	<b>Principles of Microeconomics OR</b>	<b>3.00</b>
ECON 201H	Principles of Microeconomics-Honors	3.00
MATH 110	Introduction to Probability and Statistics <b>OR</b>	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

##### ***Students must complete at least six (6) units from the following courses:***

<b>BUSAD 100</b>	<b>Introduction to Business</b>	<b>3.00</b>
<b>CIS 101</b>	<b>Introduction to Computer and Information Technology OR</b>	<b>3.00</b>
<b>BUSAD 230</b>	<b>Using Computers for Business</b>	<b>3.00</b>
BUSAD 145	Business Communication OR	4.00
COMMST 145	Business Communication	4.00

**TOTAL CREDIT HOURS: 27.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 27.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 48 units out of 66 or at least 73% of the units required to confer the degree can be completed through distance education**

## Business Administration - Associate of Science Degree

### Major/Program Requirements

#### Required Courses:

ACCT 208	Introduction to Financial Accounting	4.00
<b>BUSAD 100</b>	<b>Introduction to Business</b>	<b>3.00</b>
BUSAD 145	Business Communication <b>OR</b>	4.00
COMMST 145	Business Communication	4.00
BUSAD 200	Business Management	3.00
BUSAD 210	Business Law	3.00
<b>BUSAD 230</b>	<b>Using Computers for Business OR</b>	<b>3.00</b>
<b>CIS 101</b>	<b>Introduction to Computer and Information Technology</b>	<b>3.00</b>
<b>ECON 100</b>	<b>Introduction to Economics</b>	<b>3.00</b>
MARKET 100	Marketing Principles	3.00

**TOTAL CREDIT HOURS: 27.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 27.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 42 units out of 60 or at least 70% of the units required to confer the degree can be completed through distance education**

## Child Development (CD)

### *Associate in Science in Early Childhood Education for Transfer (AS-T) Degree*

The Associate in Science-Transfer (AS-T) degree in Early Childhood Education at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Early Childhood Education or a related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

<b>CD 105</b>	<b>Child Growth and Development</b>	<b>3.00</b>
CD 126	Child, Family and Community	3.00
CD 112	Programs and Practices in Child Development	3.00
CD 132	Creative Experiences for Children Across the Curriculum	3.00
CD 212	Observation and Methods in Early Child Development	3.00
CD 205	Child Development Practicum	4.00
CD 115	Health, Welfare and Nutrition for Children	3.00
CD 182	Teaching in a Diverse Society	3.00

**TOTAL CREDIT HOURS: 25.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 25.00. 3.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 39 units out of 64 or 61% of the units required to confer the degree can be completed through distance education**

## Child Development - Associate of Arts Degree

The Associate of Arts degree in Child Development is designed to prepare professionals to teach in an early learning environment such as preschool. This degree can also assist in preparation to teach in primary and intermediate grades.

### *Major/Program Requirements*

#### *Required Courses:*

<b>CD 105</b>	<b>Child Growth and Development</b>	<b>3.00</b>
CD 112	Programs and Practices in Child Development	3.00
CD 115	Health, Welfare and Nutrition for Children	3.00
CD 126	Child, Family and Community	3.00
CD 132	Creative Experiences for Children Across the Curriculum	3.00
CD 182	Teaching in a Diverse Society	3.00
CD 205	Child Development Practicum	4.00
CD 212	Observation and Methods in Early Child Development	3.00

#### *Recommended Courses:*

CD 100	Introduction to Child Development	3.00
CD 101	Family Interactions	3.00
CD 130	Music and Movement for Children	3.00
CD 131	Developmental Art for Children	3.00
CD 133	Creative Science and Math Activities for Children	3.00
CD 134	Language and Listening, Literacy and Literature for Children	3.00
CD 136	Creative Art Activities for Children	3.00
CD 137	Play and Materials in Early Learning	3.00
<b>CD 185</b>	<b>Infant/Toddler Growth and Development</b>	<b>3.00</b>
CD 186	Infant/Toddler Activities	3.00
CD 211	Observation and Methods in School-Age Development	3.00
CD 244	Children with Special Needs	3.00
CD 250	Child Guidance and Early Learning	3.00
CD 270	Mentor Teacher/Adult Supervision	2.00
CD 271	Administration: Management and Org of Child Development Program	3.00
CD 272	Administration: Human Relations in Child Development Programs	3.00

**TOTAL CREDIT HOURS: 25.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 25.00. 3.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 35 units out of 60 or at least 58% of the units required to confer the degree can be completed through distance education.**

## Communication Studies (COMMST)

### *Associate in Arts in Communication Studies for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Communication Studies at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in a communication-related field of study.

#### **Major/Program Requirements**

##### **Required Courses:**

<b>COMMST 100</b>	<b>Elements of Public Speaking OR</b>	<b>3.00</b>
COMMST 100H	Elements of Public Speaking- Honors	3.00
<b>Students must complete at least six (6) units from the following courses:</b>		
COMMST 111	Interpersonal Communication OR	3.00
COMMST 111H	Interpersonal Communication-Honors	3.00
<b>COMMST 125</b>	<b>Critical Thinking through Argumentation and Debate OR</b>	<b>3.00</b>
COMMST 125H	Critical Thinking through Argumentation and Debate-Honors	3.00
COMMST 140	Small Group Communication	3.00
<b>Students must complete at least six (6) additional units from the following courses:</b>		
COMMST 111	Interpersonal Communication OR	3.00
COMMST 111H	Interpersonal Communication-Honors	3.00
COMMST 120	Oral Interpretation of Literature OR	3.00
COMMST 120H	Oral Interpretation of literature - Honors	3.00
<b>COMMST 125</b>	<b>Critical Thinking through Argumentation and Debate OR</b>	<b>3.00</b>
COMMST 125H	Critical Thinking through Argumentation and Debate-Honors	3.00
COMMST 135	Mass Communication in Society OR	3.00
<b>JOUR 135</b>	<b>Mass Communication in Society</b>	<b>3.00</b>
COMMST 140	Small Group Communication	3.00
COMMST 174	Communication in a Diverse World	3.00
<b>Students must complete at least three (3) additional units from the following courses:</b>		
COMMST 120	Oral Interpretation of Literature OR	3.00
COMMST 120H	Oral Interpretation of literature - Honors	3.00
<b>COMMST 135</b>	<b>Mass Communication in Society OR</b>	<b>3.00</b>
<b>JOUR 135</b>	<b>Mass Communication in Society</b>	<b>3.00</b>
<b>COMMST 174</b>	<b>Communication in a Diverse World</b>	<b>3.00</b>
JOUR 120	Fundamentals of News Writing OR	3.00
ENGL 120	Fundamentals of News Writing	3.00
<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
<b>PSYCH 100</b>	<b>General Psychology OR</b>	<b>3.00</b>
PSYCH 100H	General Psychology- Honors	3.00
<b>SOC 100</b>	<b>Introduction to Sociology OR</b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%. Total credit hours specific to the degree: 18.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because at least 48 units out of 60 or at least 80% of the units required to confer the degree can be completed through distance education**

## Communication - Associate of Arts Degree

### Major/Program Requirements

#### Required Courses:

<b>COMMST 100</b>	<b>Elements of Public Speaking OR</b>	<b>3.00</b>
COMMST 100H	Elements of Public Speaking- Honors	3.00
COMMST 111	Interpersonal Communication OR	3.00
COMMST 111H	Interpersonal Communication-Honors	3.00
<b>COMMST 125</b>	<b>Critical Thinking through Argumentation and Debate OR</b>	<b>3.00</b>
COMMST 125H	Critical Thinking through Argumentation and Debate-Honors OR	3.00
COMMST 140	Small Group Communication	3.00

#### Students must complete at least nine (9) additional units from the following courses:

COMMST 101	Advanced Public Speaking	3.00
COMMST 110	Voice and Diction OR	3.00
THART 110	Voice and Diction	3.00
COMMST 120	Oral Interpretation of Literature OR	3.00
COMMST 120H	Oral Interpretation of literature - Honors	3.00
<b>COMMST 125</b>	<b>Critical Thinking through Argumentation and Debate OR</b>	<b>3.00</b>
COMMST 125H	Critical Thinking through Argumentation and Debate-Honors	3.00
<b>COMMST 135</b>	<b>Mass Communication in Society OR</b>	<b>3.00</b>
JOUR 135	Mass Communication in Society	3.00
COMMST 145	Business Communication OR	4.00
BUSAD 145	Business Communication	4.00
COMMST 155	Human Relations in the Workplace OR	3.00
BUSAD 155	Human Relations in the Workplace	3.00
COMMST 140	Small Group Communication	3.00
<b>COMMST 174</b>	<b>Communication in a Diverse World</b>	<b>3.00</b>
COMMST 246ABCD	Special Studies in Communication	1.00
COMMST 247ABC	Special Studies in Communication	2.00
COMMST 248AB	Special Studies in Communication	3.00
JOUR 120	Fundamentals of News Writing OR	3.00
ENGL 120	Fundamentals of News Writing	3.00
ENGL 170	The Film Experience	3.00
MARKET 110	Advertising	3.00
<b>SOC 130</b>	<b>Marriage, Family and Intimate Relationships</b>	<b>3.00</b>

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. 15.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 51 units out of 60 or at least 85% of the units required to confer the degree can be completed through distance education**

## Computer Information Systems (CIS)

### Computer Information Systems - Associate of Science Degree

#### Major/Program Requirements

##### Required Courses:

CIS 095	Employability Skills for Technical Careers	2.00
<b>CIS 101</b>	<b>Introduction to Computer and Information Technology</b>	<b>3.00</b>
CIS 130	Hardware and Information Technology	3.00
<b>CIS 140</b>	<b>Introduction to Networks (Cisco CCNA 1)</b>	<b>4.00</b>

##### One of the following courses:

CIS 104	Object Oriented Programming with Visual Basic	3.00
CIS 111	Web Page Programming and Design	3.00
CIS 113	Java Programming	3.00
CIS 114	C++ Programming I	3.00
<b>CSCI 110</b>	<b>Introduction to Computer Science I</b>	<b>3.00</b>

Students must select **ONE** area of emphasis from the following three options:

##### Emphasis in Programming:

Students must complete at least twelve (12) additional units from the following courses:

CIS 104	Object Oriented Programming with Visual Basic	3.00
CIS 105	Database Concepts and Design	3.00
CIS 113	Java Programming	3.00
CIS 114	C++ Programming I OR	3.00
<b>CSCI 110</b>	<b>Introduction to Computer Science I</b>	<b>3.00</b>
CIS 116	C++ Programming II OR	3.00
<b>CSCI 120</b>	<b>Introduction to Computer Science II</b>	<b>3.00</b>
CIS 117	Scripting	3.00
CIS 121	Android Application Development	3.00
CIS 125	Introduction to C#.net Programming	3.00
CIS 190D	Software Development Internship	1.00-3.00
MATH 102	College Algebra	4.00

##### Emphasis in Web Design:

Students must complete at least twelve (12) additional units from the following courses:

CIS 111	Web Page Programming and Design	3.00
CIS 117	Scripting	3.00
CIS 161	Website Design and Programming Using Dreamweaver	3.00
<b>CIS 162</b>	<b>Introduction to Flash</b>	<b>3.00</b>
CIS 163	Introduction to PhotoShop OR	3.00
CIS 180	Computer Graphics with Adobe Illustrator	1.00-3.00
CIS 190A	Web Master Internship	3.00
<b>CIS 211</b>	<b>Cascading Style Sheet (CSS) Web Design</b>	<b>3.00</b>

##### Emphasis in Computer Assisted Graphic Design:

Students must complete at least twelve (12) additional units from the following courses:

<b>CIS 162</b>	<b>Introduction to Flash</b>	<b>3.00</b>
CIS 163	Introduction to PhotoShop	3.00
CIS 165	Introduction to 3D Modeling and Animation	3.00
CIS 166	Advanced 3D Modeling and Animation	3.00
CIS 180	Computer Graphics with Adobe Illustrator	1.00-3.00

CIS 182	Desktop Publishing with Adobe Indesign	1.00-3.00
CIS 184	Photoshop and Digital Photography	3.00
CIS 190E	Digital Media Design Internship	1.00-3.00
<b>ART 120</b>	<b>Foundations of Two-Dimensional Design</b>	<b>3.00</b>

**TOTAL CREDIT HOURS: 27.00-29.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 27.00-29.00. 16.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 46 units out of 60 or at least 77% of the units required to confer the degree can be completed through distance education.**

## Computer Science (CSCI)

### *Associate in Science in Computer Science for Transfer (AS-T) Degree*

The Associate in Science-Transfer (AS-T) degree in Computer Science at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in a Computer Science related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

<b>CSCI 110</b>	<b>Introduction to Computer Science I</b>	<b>3.00</b>
<b>CSCI 120</b>	<b>Introduction to Computer Science II</b>	<b>3.00</b>
CSCI 200	Discrete Structures OR	4.00
MATH 200	Discrete Structures	4.00
<b>CSCI 240</b>	<b>Computer Organization and Assembly Language Programming</b>	<b>3.00</b>
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00

**TOTAL CREDIT HOURS: 29.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 29.00. 9.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 45 units out of 68 or at least 66% of the units required to confer the degree can be completed through distance education.**

## Computer Science-Associate of Science

### Major/Program Requirements

#### *Required Courses:*

The Associate of Science degree in Computer Science at Crafton Hills College is designed to meet the needs of students transferring to a four-year university who intend to major in Computer Science or a related field of study

<b>CSCI 110</b>	<b>Introduction to Computer Science I</b>	<b>3.00</b>
<b>CSCI 120</b>	<b>Introduction to Computer Science II</b>	<b>3.00</b>
CSCI 200	Discrete Structures OR	4.00
MATH 200	Discrete Structures	4.00
<b>CSCI 230</b>	<b>Introduction to Data Structures and Algorithms</b>	<b>3.00</b>
<b>CSCI 240</b>	<b>Computer Organization and Assembly Language Programming</b>	<b>3.00</b>
MATH 250	Single Variable Calculus I	4.00

**TOTAL CREDIT HOURS: 20.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 20.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 48 units out of 60 or at least 80% of the units required to confer the degree can be completed through distance education.**

## Economics (ECON)

### *Associate in Arts in Economics for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Economics at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Economics or a related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

<b>ECON 200</b>	<b>Principles of Macroeconomics OR</b>	<b>3.00</b>
ECON 200H	Principles of Macroeconomics-Honors	3.00
<b>ECON 201</b>	<b>Principles of Microeconomics OR</b>	<b>3.00</b>
ECON 201H	Principles of Microeconomics-Honors	3.00
MATH 110	Introduction to Probability and Statistics OR	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
MATH 250	Single Variable Calculus I OR	4.00
MATH 141	Calculus for Business	4.00

##### ***Students must complete at least three (3) additional units from the following courses:***

MATH 102	College Algebra	4.00
MATH 160	Precalculus	4.00
MATH 251	Single Variable Calculus II	4.00
ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
<b>CIS 101</b>	<b>Introduction to Computer and Information Technology</b>	<b>3.00</b>
BUSAD 145	Business Communication OR	4.00
COMMST 145	Business Communication	4.00

##### ***Students must complete at least an additional three (3) units from the following courses:***

MATH 102	College Algebra	4.00
MATH 160	Precalculus	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00
MATH 265	Linear Algebra	4.00
ACCT 208	Introduction to Financial Accounting	4.00
ACCT 209	Introduction to Managerial Accounting	4.00
<b>CIS 101</b>	<b>Introduction to Computer and Information Technology</b>	<b>3.00</b>
BUSAD 145	Business Communication OR	4.00
COMMST 145	Business Communication	4.00

**TOTAL CREDIT HOURS: 20.00-23.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 20.00-23.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 48 units out of 60 or at least 80% of the units required to confer the degree can be completed through distance education.**

## English (ENGL)

### *Associate in Arts in English for Transfer (AA-T) Degree...*

The Associate in Arts-Transfer (AA-T) degree in English at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in English, English literature, creative writing or a related field of study.

### ***Major/Program Requirements***

#### ***Required Courses:***

ENGL 152H	Intermediate Composition and Literature - Honors	4.00
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#### ***Students must complete at least six (6) units from the following courses:***

ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

#### ***Students must complete at least six (6) additional units from the following courses:***

<b>ENGL 102</b>	<b>Intermediate Composition and Critical Thinking OR</b>	<b>4.00</b>
ENGL 102H	Intermediate Composition and Critical Thinking-Honors	4.00
ENGL 232	Creative Writing	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

#### ***Students must complete at least three (3) additional units from the following courses:***

ENGL 108	World Drama I OR	3.00
THART 108	World Drama I	3.00
ENGL 109	World Drama II OR	3.00
THART 109	World Drama II	3.00
ENGL 120	Fundamentals of News Writing OR	3.00
JOUR 120	Fundamentals of News Writing	3.00
ENGL 127	Introductory Literary Magazine Production: The Sand Canyon Review	3.00
ENGL 150	Classical Mythology	3.00
<b>ENGL 155</b>	<b>Children's Literature OR</b>	<b>3.00</b>
ENGL 155H	Children's Literature-Honors	3.00
<b>ENGL 160</b>	<b>Literature by Women</b>	<b>3.00</b>
ENGL 163	Chicano/Latino Literature	3.00
ENGL 170	The Film Experience	3.00
ENGL 175	Literature and Religion of the Bible OR	3.00
RELIG 175	Literature and Religion of the Bible	3.00
ENGL 226	Play and Screenplay Analysis OR	3.00
THART 226	Play and Screenplay Analysis	3.00
ENGL 232	Creative Writing	3.00
ENGL 250	Fiction	3.00
ENGL 260	Survey of American Literature I	3.00

ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 275	Shakespeare	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
COMMST 120	Oral Interpretation of Literature OR	3.00
COMMST 120H	Oral Interpretation of literature - Honors	3.00
COMMST 145	Business Communication OR	4.00
BUSAD 145	Business Communication	4.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
RUS 101	College Russian I	5.00
RUS 102	College Russian II	5.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00
THART 100	Introduction to Theatre OR	3.00
THART 100H	Introduction to Theatre-Honors	3.00

**TOTAL CREDIT HOURS: 19.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 19.00. 7.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 43 units out of 60 or at least 72% of the units required to confer the degree can be completed through distance education.**

## English - Associate of Arts Degree

### Major/Program Requirements

#### Required Courses:

<b>ENGL 101</b>	<b>Freshman Composition OR</b>	<b>4.00</b>
ENGL 101H	Freshman Composition-Honors	4.00
<b>ENGL 102</b>	<b>Intermediate Composition and Critical Thinking OR</b>	<b>4.00</b>
ENGL 102H	Intermediate Composition and Critical Thinking-Honors OR	4.00
ENGL 152H	Intermediate Composition and Literature	4.00

#### Student must complete at least six (6) units from the following courses:

ENGL 270 and ENGL 271: Recommended for students planning on transferring to California State University, San Bernardino

ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00

#### Student must complete at least six (6) additional units from the following courses:

ENGL 150	Classical Mythology	3.00
<b>ENGL 155</b>	<b>Children's Literature OR</b>	<b>3.00</b>
ENGL 155H	Children's Literature-Honors	3.00
<b>ENGL 160</b>	<b>Literature by Women</b>	<b>3.00</b>
ENGL 163	Chicano/Latino Literature	3.00
ENGL 170	The Film Experience	3.00
ENGL 175	Literature and Religion of the Bible OR	3.00
RELIG 175	Literature and Religion of the Bible	3.00
ENGL 232	Creative Writing	3.00
ENGL 250	Fiction	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 275	Shakespeare	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

**TOTAL CREDIT HOURS: 20.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 20.00. 14.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 50 units out of 60 or at least 83% of the units required to confer the degree can be completed through distance education.**

## Fire Technology (FIRET)

### *Fire Technology - Associate of Science Degree*

#### *Major/Program Requirements*

##### *Required Courses:*

FIRET 100	Fire Protection Organization	3.00
FIRET 101	Fire Prevention Technology	3.00
FIRET 102	Fire Behavior and Combustion	3.00
FIRET 103	Fire Protection Systems	3.00
FIRET 114	Principles of Fire and Emergency Services Safety and Survival	3.00
FIRET 116	Building Construction for Fire Protection	3.00

##### *A minimum of 5.50 units are to be selected from the following courses:*

FIRET 082	Fire Prevention 1A	2.50
FIRET 083	Fire Prevention 1B	2.50
FIRET 084	Fire Management 1	2.50
FIRET 085	Fire Command 1A	2.50
FIRET 086	Fire Command 1B	2.50
FIRET 087	Fire Investigation 1A	2.50
FIRET 088	Fire Investigation 1B	2.50
FIRET 104	Fire Apparatus and Equipment	3.00
FIRET 106	Fire Protection Hydraulics and Water Supply	3.00
FIRET 111	Public Education Officer	2.50
FIRET 112	Fire Control Fire Aircraft Rescue and Firefighting	2.50
FIRET 113	Fire Service Career Preparation	3.00
FIRET 118	Wildland Fire Control	3.00
FIRET 183	Aircraft Accidents	2.50

**TOTAL CREDIT HOURS: 23.50**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 23.50. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## **French (FRENCH)**

### ***French - Associate of Arts Degree***

The French program at Crafton Hills College provides students an opportunity to communicate in French as well as an understanding of French culture.

#### ***Major/Program Requirements***

##### ***Required Courses:***

FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00

**TOTAL CREDIT HOURS: 20.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 20.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## Geography (GEOG)

### *Associate in Arts in Geography for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Geography at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Geography or a related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

GEOG 102	Cultural Geography OR	3.00
GEOG 102H	Cultural Geography-Honors	3.00
GEOG 110	Physical Geography OR	3.00
GEOG 110H	Physical Geography-Honors	3.00
GEOG 111	Physical Geography Laboratory OR	1.00
GEOG 111H	Physical Geography Laboratory-Honors	1.00

***Students must complete at least six (6) units from the following courses:***

##### **Required Courses, List A**

GEOG 114	Investigations in Weather and Climate OR	4.00
GEOG 115	Elements of Weather and Climate	3.00
GEOG 120	World Regional Geography	3.00
GEOG 126	Geography of California	3.00

***Students must complete six (6) additional units from the following courses:***

##### **Required Courses, List B**

GEOL 100	Physical Geology OR	4.00
GEOL 100H	Physical Geology-Honors OR	4.00
<b>GEOL 101</b>	<b>Introduction to Geology OR</b>	<b>3.00</b>
GEOL 101H	Introduction to Geology-Honors AND	3.00
GEOL 160	Geology Laboratory	1.00
GIS 175	Introduction to Information Mapping	3.00
<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
GEOG 114	Investigations in Weather and Climate	4.00
GEOG 115	Elements of Weather and Climate	3.00
GEOG 120	World Regional Geography	3.00
GEOG 126	Geography of California	3.00

**TOTAL CREDIT HOURS: 19.00-20.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 19.00-20.00. 6.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 42 units out of 60 or at least 70% of the units required to confer the degree can be completed through distance education**

## Geography - Associate of Science Degree

### Major/Program Requirements

#### Required Courses:

GEOG 102	Cultural Geography OR	3.00
GEOG 102H	Cultural Geography-Honors	3.00
GEOG 110	Physical Geography OR	3.00
GEOG 110H	Physical Geography-Honors	3.00
GEOG 111	Physical Geography Laboratory OR	1.00
GEOG 111H	Physical Geography Laboratory-Honors	1.00
GEOL 100	Physical Geology OR	4.00
GEOL 100H	Physical Geology-Honors OR	4.00
GEOL 160	Geology Laboratory AND	1.00
<b>GEOL 101</b>	<b>Introduction to Geology OR</b>	<b>3.00</b>
GEOL 101H	Introduction to Geology-Honors	3.00
GIS 175	Introduction to Information Mapping	3.00

#### Students must complete at least eight (8) units from the following courses:

GEOG 120	World Regional Geography	3.00
GEOG 126	Geography of California	3.00
<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
<b>ANTHRO 106</b>	<b>Biological Anthropology OR</b>	<b>3.00</b>
ANTHRO 106H	Biological Anthropology-Honors	3.00
CHEM 101	Introduction to Chemistry OR	4.00
CHEM 150	General Chemistry I OR	5.00
CHEM 150H	General Chemistry I-Honors	5.00
CHEM 151	General Chemistry II OR	5.00
CHEM 151H	General Chemistry II-Honors	5.00
GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
<b>MATH 103</b>	<b>Plane Trigonometry</b>	<b>4.00</b>
POLIT 102	California Politics and Culture	3.00

**TOTAL CREDIT HOURS: 22.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 22.00. 11.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 47 units out of 60 or at least 78% of the units required to confer the degree can be completed through distance education.**

## Geology (GEOL)

### *Associate in Science in Geology for Transfer (AS-T) Degree*

The Associate in Science-Transfer (AS-T) degree in Geology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Geology or a related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

GEOL 100	Physical Geology OR	4.00
GEOL 100H	Physical Geology-Honors OR	4.00
GEOL 160	Geology Laboratory AND	1.00
<b>GEOL 101</b>	<b>Introduction to Geology OR</b>	<b>3.00</b>
GEOL 101H	Introduction to Geology-Honors	3.00
GEOL 112	Historical Geology	4.00
GEOL 150	Geology and the Environment OR	3.00
GEOL 150H	Geology and the Environment-Honors	3.00
CHEM 150	General Chemistry I OR	5.00
CHEM 150H	General Chemistry I-Honors	5.00
CHEM 151	General Chemistry II OR	5.00
CHEM 151H	General Chemistry II-Honors	5.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00

##### ***Recommended Courses.***

BIOL 100	General Biology	4.00
MATH 252	Multivariable Calculus	5.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00

**TOTAL CREDIT HOURS: 26.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 26.00. 3.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 39 units out of 65 or at least 60% of the units required to confer the degree can be completed through distance education.**

## History (HIST)

### *Associate in Arts in History for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in History at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in History or a related field of study.

### *Major/Program Requirements*

#### *Required Courses:*

<b>HIST 100</b>	<b>History of the United States to 1877 OR</b>	<b>3.00</b>
HIST 100H	History of the United States to 1877- Honors	3.00
<b>HIST 101</b>	<b>History of the United States 1865 to Present OR</b>	<b>3.00</b>
HIST 101H	History of the United States 1865 to Present	3.00
HIST 170	World Civilizations (3500 BCE-1500 CE) OR	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
HIST 171	World Civilizations (1500 CE to the Present) OR	3.00
HIST 171H	World Civilizations (1500 CE to the Present)	3.00

#### *Students must complete at least three (3) units from the following courses:*

HIST 107	The United States and the North American Indians OR	3.00
ANTHRO 107	The United States and the North American Indians	3.00
ARABIC 101	College Arabic I	5.00
ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00
ASL 101	American Sign Language I	4.00
ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00
<b>COMMST 174</b>	<b>Communication in a Diverse World</b>	<b>3.00</b>
<b>ENGL 160</b>	<b>Literature by Women</b>	<b>3.00</b>
ENGL 163	Chicano/Latino Literature	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
FRENCH 101	College French I	5.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
MCS 110	The American Deaf Experience: Introduction to Deaf Studies	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00
RELIG 110	Tribal and Ethnic Religions OR	3.00
ANTHRO 110	Tribal and Ethnic Religions	3.00
RUS 101	College Russian I	5.00
RUS 102	College Russian II	5.00

SOC 141	Minority Relations	3.00
SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

*Students must complete at least three (3) additional units from the following courses:*

HIST 107	The United States and the North American Indians OR	3.00
ANTHRO 107	The United States and the North American Indians	3.00
<b>HIST 135</b>	<b>Religion in America OR</b>	<b>3.00</b>
<b>RELIG 135</b>	<b>Religion in America</b>	<b>3.00</b>
<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
HIST 145	California History	3.00
ART 100	Art History I: Prehistoric Art to Medieval Art	3.00
ART 102	Art History II: Renaissance Art to Contemporary Art	3.00
<b>ECON 100</b>	<b>Introduction to Economics</b>	<b>3.00</b>
<b>ECON 200</b>	<b>Principles of Macroeconomics OR</b>	<b>3.00</b>
ECON 200H	Principles of Macroeconomics-Honors	3.00
<b>ECON 201</b>	<b>Principles of Microeconomics OR</b>	<b>3.00</b>
ECON 201H	Principles of Microeconomics-Honors	3.00
GEOG 120	World Regional Geography	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
HUM 140	Humanities Through the Arts	3.00
<b>JOUR 135</b>	<b>Mass Communication in Society OR</b>	<b>3.00</b>
<b>COMMST 135</b>	<b>Mass Communication in Society</b>	<b>3.00</b>
<b>MUSIC 103</b>	<b>Appreciation of American Popular Music OR</b>	<b>3.00</b>
MUSIC 103H	Appreciation of American Popular Music-Honors	3.00
<b>MUSIC 120</b>	<b>Appreciation of Musical Literature OR</b>	<b>3.00</b>
MUSIC 120H	Appreciation of Musical Literature- Honors	3.00
<b>MUSIC 134</b>	<b>Jazz History</b>	<b>3.00</b>
<b>PHIL 101</b>	<b>Introduction to Philosophy OR</b>	<b>3.00</b>
PHIL 101H	Introduction to Philosophy-Honors	3.00
POLIT 100	American Politics OR	3.00
POLIT 100H	American Politics-Honors	3.00
POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00
<b>PSYCH 100</b>	<b>General Psychology OR</b>	<b>3.00</b>
PSYCH 100H	General Psychology- Honors	3.00
<b>RELIG 100</b>	<b>Introduction to Religious Studies OR</b>	<b>3.00</b>
RELIG 100H	Introduction to Religious Studies-Honors	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00
RELIG 110	Tribal and Ethnic Religions OR	3.00
ANTHRO 110	Tribal and Ethnic Religions	3.00
<b>SOC 100</b>	<b>Introduction to Sociology OR</b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 48 units out of 60 or at least 80% of the units required to confer the degree can be completed through distance education**

## History - Associate of Arts Degree

### Major/Program Requirements

#### Required Courses:

<b>HIST 100</b>	<b>History of the United States to 1877 OR</b>	<b>3.00</b>
HIST 100H	History of the United States to 1877- Honors	3.00
<b>HIST 101</b>	<b>History of the United States 1865 to Present OR</b>	<b>3.00</b>
HIST 101H	History of the United States 1865 to Present- Honors	3.00
HIST 170	World Civilizations (3500 BCE-1500 CE) OR	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE) - Honors	3.00
HIST 171	World Civilizations (1500 CE to the Present) OR	3.00
HIST 171H	World Civilizations (1500 CE to the Present) - Honors	3.00
<b>Students must complete at least six (6) units from the following courses:</b>		
HIST 107	The United States and the North American Indians OR	3.00
ANTHRO 107	The United States and the North American Indians	3.00
<b>HIST 135</b>	<b>Religion in America OR</b>	<b>3.00</b>
<b>RELIG 135</b>	<b>Religion in America</b>	<b>3.00</b>
HIST 145	California History	3.00
<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
ANTHRO 110	Tribal and Ethnic Religions OR	3.00
RELIG 110	Tribal and Ethnic Religions	3.00
<b>ART 100</b>	<b>Art History I: Prehistoric Art to Medieval Art</b>	<b>3.00</b>
<b>ART 102</b>	<b>Art History II: Renaissance Art to Contemporary Art</b>	<b>3.00</b>
<b>ECON 100</b>	<b>Introduction to Economics</b>	<b>3.00</b>
<b>ECON 200</b>	<b>Principles of Macroeconomics OR</b>	<b>3.00</b>
ECON 200H	Principles of Macroeconomics-Honors	3.00
<b>ECON 201</b>	<b>Principles of Microeconomics OR</b>	<b>3.00</b>
ECON 201H	Principles of Microeconomics-Honors	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
GEOG 102	Cultural Geography OR	3.00
GEOG 102H	Cultural Geography-Honors	3.00
GEOG 120	World Regional Geography OR	3.00
GEOG 126	Geography of California	3.00
<b>MUSIC 103</b>	<b>Appreciation of American Popular Music OR</b>	<b>3.00</b>
MUSIC 103H	Appreciation of American Popular Music-Honors	3.00
<b>MUSIC 120</b>	<b>Appreciation of Musical Literature OR</b>	<b>3.00</b>
MUSIC 120H	Appreciation of Musical Literature- Honors	3.00
<b>MUSIC 134</b>	<b>Jazz History</b>	<b>3.00</b>
<b>PHIL 101</b>	<b>Introduction to Philosophy OR</b>	<b>3.00</b>
PHIL 101H	Introduction to Philosophy-Honors	3.00
POLIT 100	American Politics OR	3.00
POLIT 100H	American Politics-Honors	3.00
POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00

POLIT 110	Introduction to Political Theory	3.00
<b>RELIG 100</b>	<b>Introduction to Religious Studies OR</b>	<b>3.00</b>
RELIG 100H	Introduction to Religious Studies-Honors	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 176	Jesus and His Interpreters	3.00
<b>SOC 100</b>	<b>Introduction to Sociology OR</b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00
SOC 141	Minority Relations	3.00
THART 108	World Drama I OR	3.00
ENGL 108	World Drama I	3.00
THART 109	World Drama II OR	3.00
ENGL 109	World Drama II	3.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 48 units out of 60 or at least 80% of the units required to confer the degree can be completed through distance education.**

## Japanese (JAPN)

### *Japanese - Associate of Arts Degree*

#### *Major/Program Requirements*

##### *Required Courses:*

JAPN 101	College Japanese I	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00

**TOTAL CREDIT HOURS: 20.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 20.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## **Kinesiology**

### ***Associate in Arts in Kinesiology for Transfer (AA-T) Degree***

The Associate in Arts-Transfer (AA-T) degree in Kinesiology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Kinesiology or a related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

<b>KIN 200</b>	<b>Introduction to Kinesiology</b>	<b>3.00</b>
ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00

***Students must complete one (1) unit from any three (3) of the following movement-based course areas:***

##### **Aquatics**

KIN/S 164A	Swimming I	.50-1.00
KIN/S 164B	Swimming II	.50-1.00
KIN/S 164C	Swimming III	.50-1.00
KIN/S 164D	Swimming IV	.50-1.00
KIN/F 173A	Water Aerobics and Deep Water Exercise I	.50-1.00
KIN/F 173B	Water Aerobics and Deep Water Exercise II	.50-1.00
KIN/F 173C	Water Aerobics and Deep Water Exercise III	.50-1.00
KIN/F 173D	Water Aerobics and Deep Water Exercise IV	.50-1.00

##### **Combatives**

KIN/S 159A	Karate I	.50-1.00
KIN/S 159B	Karate II	.50-1.00
KIN/S 159C	Karate III	.50-1.00
KIN/S 159D	Karate IV	.50-1.00

##### **Team Sports**

KIN/S 116A	Soccer I	.50-1.00
KIN/S 116B	Soccer II	.50-1.00
KIN/S 116C	Soccer III	.50-1.00
KIN/S 116D	Soccer IV	.50-1.00
KIN/S 193A	Softball I	.50-1.00
KIN/S 193B	Softball II	.50-1.00
KIN/S 193C	Softball III	.50-1.00
KIN/S 193D	Softball IV	.50-1.00

##### **Individual Sports**

KIN/S 120A	Golf I	.50-1.00
KIN/S 120B	Golf II	.50-1.00
KIN/S 120C	Golf III	.50-1.00
KIN/S 120D	Golf IV	.50-1.00
KIN/S 148A	Tennis I	.50-1.00
KIN/S 148B	Tennis II	.50-1.00
KIN/S 148C	Tennis III	.50-1.00
KIN/S 148D	Tennis IV	.50-1.00

##### **Fitness**

KIN/F 105A	Aerobic Conditioning I	.50-1.00
KIN/F 105B	Aerobic Conditioning II	.50-1.00

KIN/F 105C	Aerobic Conditioning III	.50-1.00
KIN/F 105D	Aerobic Conditioning IV	.50-1.00
KIN/F 108A	Resistance and Weight Training I	.50-1.00
KIN/F 108B	Resistance and Weight Training II	.50-1.00
KIN/F 108C	Resistance and Weight Training III	.50-1.00
KIN/F 108D	Resistance and Weight Training IV	.50-1.00
KIN/F 127A	Walking for Fitness I	.50-1.00
KIN/F 127B	Walking for Fitness II	.50-1.00
KIN/F 127C	Walking for Fitness III	.50-1.00
KIN/F 127D	Walking for Fitness IV	.50-1.00
KIN/F 168A	Yoga I	.50-1.00
KIN/F 168B	Yoga II	.50-1.00
KIN/F 168C	Yoga III	.50-1.00
KIN/F 168D	Yoga IV	.50-1.00
KIN/F 190A	Tai Chi I	.50-1.00
KIN/F 190B	Tai Chi II	.50-1.00
KIN/F 190C	Tai Chi III	.50-1.00
KIN/F 190D	Tai Chi IV	.50-1.00

#### **Dance**

KIN/D 163A/DANCE 163A	Ballroom/Swing/Salsa I	.50-1.00
KIN/D 163B/DANCE 163B	Ballroom/Swing/Salsa II	.50-1.00
KIN/D 163C/DANCE 163C	Ballroom/Swing Salsa III	.50-1.00
KIN/D 163D/DANCE 163D	Ballroom/Swing Salsa IV	.50-1.00

#### ***Students must complete at least six (6) additional units from the following list:***

MATH 110	Introduction to Probability and Statistics	4.00
CHEM 150	General Chemistry I OR	5.00
CHEM 150H	General Chemistry I-Honors	5.00
PHYSIC 110	General Physics I OR	4.00
PHYSIC 250	College Physics I	4.00
KIN 231	First Aid and CPR	3.00

**TOTAL CREDIT HOURS: 21.00-23.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 21.00-23.00. 3.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 39 units out of 60 or at least 65% of the units required to confer the degree can be completed through distance education.**

## Mathematics (MATH)

### *Associate in Science in Mathematics for Transfer (AS-T) Degree*

The Associate in Science-Transfer (AS-T) degree in Mathematics at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Mathematics or a related field of study.

#### **Major/Program Requirements**

##### **Required Courses:**

MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

**Students must complete at least six (6) units from the following courses, with at least three (3) units from Group A:**

##### **Group A**

MATH 265	Linear Algebra	4.00
MATH 266	Introduction to Ordinary Differential Equations	4.00

##### **Group B**

MATH 255	Computer-Based Problems for Calculus	1.00-2.00
MATH 110	Introduction to Probability and Statistics	4.00
CIS 114	C++ Programming I	3.00
CIS 116	C++ Programming II	3.00
PHYSIC 250	College Physics I	4.00
<b>CSCI 110</b>	<b>Introduction to Computer Science I</b>	<b>3.00</b>
<b>CSCI 120</b>	<b>Introduction to Computer Science II</b>	<b>3.00</b>

**TOTAL CREDIT HOURS: 19.00-21.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 19.00-21.00. 3.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 39 units out of 60 or at least 65% of the units required to confer the degree can be completed through distance education**

## ***Mathematics - Associate of Science Degree***

The Mathematics department offers a major program which may be adapted to serve a variety of needs and interests. Students may develop elective patterns which will prepare them to transfer to an upper division mathematics program or for employment.

### ***Major/Program Requirements***

#### ***Required Courses:***

MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

***Students must complete at least five (5) units from the following courses:***

<b>MATH 115</b>	<b>The Ideas of Mathematics</b>	<b>3.00</b>
MATH 200	Discrete Structures OR	4.00
CSCI 200	Discrete Structures	4.00
MATH 265	Linear Algebra	4.00
MATH 266	Introduction to Ordinary Differential Equations	4.00
CIS 114	C++ Programming I	3.00
CIS 116	C++ Programming II	3.00
PHYSIC 110	General Physics I	4.00
PHYSIC 111	General Physics II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00
MATH 110	Introduction to Probability and Statistics	4.00
<b>CSCI 110</b>	<b>Introduction to Computer Science I</b>	<b>3.00</b>
<b>CSCI 120</b>	<b>Introduction to Computer Science II</b>	<b>3.00</b>
MATH 255	Computer-Based Problems for Calculus	1.00- 2.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. 5.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 41 units out of 60 or at least 68% of the units required to confer the degree can be completed through distance education**

## **Multidisciplinary Degrees**

Multidisciplinary degrees are designed for students who have broad interest in a particular area that expands beyond a single discipline. These degrees provide an option to students wishing to explore a variety of related disciplines or to prepare for any number of fields. Students will need to complete CHC's general education requirements to earn these degrees. The discipline-specific courses may not prepare students for transferring into a major at a four-year college.

## Multidisciplinary Associate of Arts Fine Arts Degree

The Associate of Arts Fine Arts degree focuses on the development of creative expression and critical inquiry in music and the arts. Students will appreciate the value of artistic expression and human creativity in the fine arts and evaluate them as part of human culture and human creativity. This degree is multidisciplinary giving students the knowledge and experience in theatre arts, the visual arts, music and dance.

### *Major/Program Requirements*

#### *Required Courses:*

A minimum of six (6) units must be taken from the following courses in at least two disciplines.

<b>ART 100</b>	<b>Art History I: Prehistoric Art to Medieval Art</b>	<b>3.00</b>
<b>ART 102</b>	<b>Art History II: Renaissance Art to Contemporary Art</b>	<b>3.00</b>
<b>MUSIC 103</b>	<b>Appreciation of American Popular Music OR</b>	<b>3.00</b>
<i>MUSIC 103H</i>	<i>Appreciation of American Popular Music-Honors</i>	<i>3.00</i>
<b>MUSIC 120</b>	<b>Appreciation of Musical Literature OR</b>	<b>3.00</b>
<i>MUSIC 120H</i>	<i>Appreciation of Musical Literature- Honors</i>	<i>3.00</i>
THART 100	Introduction to Theatre OR	3.00
THART 100H	Introduction to Theatre-Honors	3.00

*Students must complete at least (12) twelve additional units from the following courses in at least two disciplines:*

#### *Art*

<b>ART 100</b>	<b>Art History I: Prehistoric Art to Medieval Art</b>	<b>3.00</b>
<b>ART 102</b>	<b>Art History II: Renaissance Art to Contemporary Art</b>	<b>3.00</b>
ART 105	History of Modern Art	3.00
ART 119	Digital Video Production	3.00
ART 120	Foundations of Two-Dimensional Design	3.00
ART 121	Foundations of Three-Dimensional Design	3.00
ART 124	Drawing I	3.00
ART 126	Painting I	3.00
ART 132	Life Drawing I	3.00
ART 175	Sculpture	3.00
ART 200	Printmaking	3.00
ART 204	Contemporary Topics in American Art	1.00
ART 226	Painting II	3.00
ART 232	Life Drawing II	3.00

#### *Music*

MUSIC 100	Fundamental Skills in Music	3.00
MUSIC 101	Music Theory I	4.00
MUSIC 102	Music Theory II	4.00
MUSIC 103	Appreciation of American Popular Music OR	3.00
MUSIC 103H	Appreciation of American Popular Music-Honors	3.00
MUSIC 120	Appreciation of Musical Literature OR	3.00
MUSIC 120H	Appreciation of Musical Literature- Honors	3.00
MUSIC 132	Guitar I	2.00
MUSIC 133	Guitar II	2.00
MUSIC 134	Jazz History	3.00
MUSIC 135	Piano I	2.00
MUSIC 136	Piano II	2.00
MUSIC 150X4	Concert Choir	1.00
MUSIC 164X4	Concert Band	2.00
MUSIC 174X4	Jazz Band	1.00

MUSIC 179X4	Contemporary Ensemble	2.00
MUSIC 180X4	Musical Theatre Workshop	2.00
MUSIC 190	Songwriting and Composition	3.00
MUSIC 195	Music Technology and Recording	4.00
MUSIC 201	Music Theory III	4.00
MUSIC 202	Music Theory IV	4.00
MUSIC 232	Guitar III	2.00
MUSIC 233	Guitar IV	2.00
MUSIC 235	Piano III	2.00
MUSIC 236	Piano IV	2.00
<b><i>Theatre Arts</i></b>		
THART 100	Introduction to Theatre OR	3.00
THART 100H	Introduction to Theatre-Honors	3.00
THART 108	World Drama I OR	3.00
ENGL 108	World Drama I	3.00
THART 109	World Drama II OR	3.00
ENGL 109	World Drama II	3.00
THART 110	Voice and Diction OR	3.00
COMMST 110	Voice and Diction	3.00
THART 120	Beginning Acting	3.00
THART 124X2	Beginning Performance Workshop	3.00
THART 133	Audition Techniques	1.00
THART 134X4	Technical Theatre Workshop	1.00
THART 140X2	Intermediate Performance Workshop	3.00
THART 145	Advanced Theatre Practicum I	3.00
THART 150	Summer Theatre Workshop OR	3.00
DANCE 174	Dance Production Workshop	2.00
THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00
THART 205	Play Directing	3.00
THART 220	Intermediate Acting	3.00
THART 221	Advanced Acting	3.00
THART 226	Play and Screenplay Analysis OR	3.00
ENGL 226	Play and Screenplay Analysis	3.00
THART 245	Advanced Theatre Practicum II	3.00
THART 250	Advanced Summer Theatre Workshop	3.00

**TOTAL CREDIT HOURS: 18.00**

CHC GE-breadth requirements: 28 units. 25 of which or 90% can be completed by taking one of several GE courses approved for Distance Education delivery. **14 or 100% of the additional elective units needed to reach 60 all of which can be completed through distance education.**

Total credit hours specific to the degree: 18.00. 15.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 54 units out of 60 or at least 90% of the units required to confer the degree can be completed through distance education**

## Multidisciplinary Associate of Arts Humanities Degree

The Associate of Arts degree in Humanities emphasizes the study of cultural, literary, humanistic and artistic expression within the context of the human experience. Students will evaluate and interpret the ways in which people in different cultures have responded to themselves and the world around them throughout history. This degree is multidisciplinary, preparing students to transfer into majors such as history, English, philosophy, religious studies and other areas in the humanities.

### *Major/Program Requirements*

#### *Required Core Courses:*

A minimum of three (3) three units must be taken from each of the following groups.

#### *History and Civilization*

HIST 170	World Civilizations (3500 BCE-1500 CE) OR	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE) - Honors	3.00
HIST 171	World Civilizations (1500 CE to the Present) OR	3.00
HIST 171H	World Civilizations (1500 CE to the Present) - Honors	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00

#### *Philosophy and Religion*

<b>PHIL 101</b>	<b>Introduction to Philosophy OR</b>	<b>3.00</b>
PHIL 101H	Introduction to Philosophy-Honors	3.00
<b>PHIL 105</b>	<b>Introduction to Ethics: Moral Values in Today's Society OR</b>	<b>3.00</b>
PHIL 105H	Introduction to Ethics: Moral Values in Today's Society-Honors	3.00
<b>RELIG 100</b>	<b>Introduction to Religious Studies OR</b>	<b>3.00</b>
RELIG 100H	Introduction to Religious Studies-Honors	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00
RELIG 110	Tribal and Ethnic Religions OR	3.00
ANTHRO 110	Tribal and Ethnic Religions	3.00
<b>RELIG 135</b>	<b>Religion in America OR</b>	<b>3.00</b>
<b>HIST 135</b>	<b>Religion in America</b>	<b>3.00</b>
RELIG 175	Literature and Religion of the Bible	3.00
ENGL 175	Literature and Religion of the Bible	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 176	Jesus and His Interpreters	3.00
ENGL 150	Classical Mythology	3.00

#### *Fine Arts*

ART 105	History of Modern Art	3.00
ENGL 170	The Film Experience	3.00
<b>HUM 140</b>	<b>Humanities Through the Arts</b>	<b>3.00</b>
<b>MUSIC 103</b>	<b>Appreciation of American Popular Music OR</b>	<b>3.00</b>
MUSIC 103H	Appreciation of American Popular Music-Honors	3.00
<b>MUSIC 120</b>	<b>Appreciation of Musical Literature OR</b>	<b>3.00</b>
MUSIC 120H	Appreciation of Musical Literature- Honors	3.00
<b>MUSIC 134</b>	<b>Jazz History</b>	<b>3.00</b>
THART 100	Introduction to Theatre OR	3.00
THART 100H	Introduction to Theatre-Honors	3.00

#### *Literature*

ENGL 155	Children's Literature OR	3.00
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ENGL 155H	Children's Literature-Honors	3.00
<b>ENGL 160</b>	<b>Literature by Women</b>	<b>3.00</b>
ENGL 163	Chicano/Latino Literature	3.00
ENGL 250	Fiction	3.00
ENGL 260	Survey of American Literature I	3.00
ENGL 261	Survey of American Literature II	3.00
ENGL 270	Survey of British Literature I	3.00
ENGL 271	Survey of British Literature II	3.00
ENGL 275	Shakespeare	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00

***One of the following:***

ENGL 108	World Drama I	3.00
THART 108	World Drama I	3.00
THART 109	World Drama II	3.00

**TOTAL CREDIT HOURS: 18.00**

CHC GE-breadth requirements: 28 units. 25 of which or 90% can be completed by taking one of several GE courses approved for Distance Education delivery. **14 or 100% of the additional elective units needed to reach 60 all of which can be completed through distance education.**

Total credit hours specific to the degree: 18.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 51 units out of 60 or at least 85% of the units required to confer the degree can be completed through distance education**

## Multidisciplinary Associate of Arts Liberal Studies - Teacher Preparation Degree

The Associate of Arts Liberal Studies-Teacher Preparation degree is designed for students intending to transfer to a four-year college or university with the goal of a career in teaching.

The courses in the degree satisfy CHC general education requirements for the associate degree, prepare students for the majority of their lower division courses in education, and fulfills the IGETC and CSU Breadth general education requirements and the courses needed for a degree in liberal studies at transfer institutions.

### Major/Program Requirements

#### Required Courses:

<b>CD 105</b>	<b>Child Growth and Development</b>	<b>3.00</b>
CD 211	Observation and Methods in School-Age Development OR	3.00
CD 212	Observation and Methods in Early Child Development	3.00
CD 295	Elementary Laboratory	3.00
EDU 290	Introduction to Education	3.00

#### Students must complete at least (6) six units from the following courses:

CD 182	Teaching in a Diverse Society	3.00
<b>CIS 101</b>	<b>Introduction to Computer and Information Technology OR</b>	<b>3.00</b>
<i>BUSAD 230</i>	<i>Using Computers for Business</i>	<i>3.00</i>

#### Required General Education Courses:

Students should complete the following courses to fulfill the general education requirements of the associate degree.

BIOL 100	General Biology	4.00
MATH 115	The Ideas of Mathematics	3.00
<b>HEALTH 102</b>	<b>Biological Principles of Health</b>	<b>3.00</b>
<b>CHEM 101</b>	<b>Introduction to Chemistry OR</b>	<b>4.00</b>
PHYSIC 100	Introduction to Physics	4.00
<b>ENGL 101</b>	<b>Freshman Composition OR</b>	<b>4.00</b>
ENGL 101H	Freshman Composition-Honors	4.00
POLIT 100	American Politics OR	3.00
POLIT 100H	American Politics-Honors	3.00

#### Students must complete at least (3) three additional units from the following courses:

HIST 100H	History of the United States to 1877- Honors	3.00
<b>HIST 101</b>	<b>History of the United States 1865 to Present OR</b>	<b>3.00</b>
HIST 101H	History of the United States 1865 to Present- Honors	3.00

#### Students must complete at least (3) three additional units from the following courses:

ENGL 152H	Intermediate Composition and Literature - Honors	4.00
<b>ENGL 155</b>	<b>Children's Literature OR</b>	<b>3.00</b>
ENGL 155H	Children's Literature-Honors	3.00
ENGL 280	World Literature to the 17th Century	3.00
ENGL 281	World literature from the 17th Century to the Present	3.00
ENGL 108	World Drama I OR	3.00
THART 108	World Drama I	3.00
ENGL 109	World Drama II OR	3.00
THART 109	World Drama II	3.00

#### Students must complete at least (4) four additional units from the following courses:

ARABIC 102	College Arabic II	5.00
ARABIC 103	College Arabic III	5.00
ARABIC 104	College Arabic IV	5.00

ASL 102	American Sign Language II	4.00
ASL 103	American Sign Language III	4.00
ASL 104	American Sign Language IV	4.00
FRENCH 102	College French II	5.00
FRENCH 103	College French III	5.00
FRENCH 104	College French IV	5.00
JAPN 102	College Japanese II	5.00
JAPN 103	College Japanese III	5.00
JAPN 104	College Japanese IV	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

*Students must complete at least (3) three additional units from the following courses:*

HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00
<b>PHIL 101</b>	<b>Introduction to Philosophy OR</b>	<b>3.00</b>
PHIL 101H	Introduction to Philosophy-Honors	3.00
<b>PHIL 105</b>	<b>Introduction to Ethics: Moral Values in Today's Society OR</b>	<b>3.00</b>
PHIL 105H	Introduction to Ethics: Moral Values in Today's Society-Honors	3.00
<b>RELIG 100</b>	<b>Introduction to Religious Studies OR</b>	<b>3.00</b>
RELIG 100H	Introduction to Religious Studies-Honors	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00

*Students must complete at least (3) three additional units from the following courses:*

<b>ART 100</b>	<b>Art History I: Prehistoric Art to Medieval Art</b>	<b>3.00</b>
<b>ART 102</b>	<b>Art History II: Renaissance Art to Contemporary Art</b>	<b>3.00</b>
<b>MUSIC 120</b>	<b>Appreciation of Musical Literature OR</b>	<b>3.00</b>
MUSIC 120H	Appreciation of Musical Literature- Honors	3.00
THART 100	Introduction to Theatre OR	3.00
THART 100H	Introduction to Theatre-Honors	3.00

*Students must complete at least (3) three additional units from the following courses:*

<b>COMMST 100</b>	<b>Elements of Public Speaking OR</b>	<b>3.00</b>
COMMST 100H	Elements of Public Speaking- Honors	3.00
COMMST 111	Interpersonal Communication OR	3.00
COMMST 111H	Interpersonal Communication-Honors	3.00
COMMST 140	Small Group Communication	3.00

*Students must complete at least (3) three additional units from the following courses:*

<b>ENGL 102</b>	<b>Intermediate Composition and Critical Thinking OR</b>	<b>4.00</b>
ENGL 102H	Intermediate Composition and Critical Thinking-Honors	4.00
<b>COMMST 125</b>	<b>Critical Thinking through Argumentation and Debate OR</b>	<b>3.00</b>
COMMST 125H	Critical Thinking through Argumentation and Debate-Honors	3.00
<b>PHIL 103</b>	<b>Introduction to Logic: Argument and Evidence</b>	<b>3.00</b>

**TOTAL CREDIT HOURS: 58.00**

Total credit hours specific to the degree: 58.00 which includes the required GE coursework. **31.00 of the required units or 53% can be completed through Distance Education. 2.00 units or 100% of the additional elective units needed to reach the required 60 units can be completed through distance education.**

**This degree has been included in the Substantive Change Proposal because at least 33 units out of 58 or at least 57% of the units required to confer the degree can be completed through distance education**

## Multidisciplinary Associate of Arts Social Science Degree

The Associate of Arts degree Social Science emphasizes the study of social and behavioral sciences. Students will recognize, describe and analyze individual behaviors and social institutions that influence our world. This degree is multidisciplinary preparing students to transfer in majors such as psychology, sociology, political science, history, anthropology and religious studies.

### Major/Program Requirements

A minimum of (3) three units must be taken from each of the following groups:

#### Required Courses:

##### History and Culture

<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
GEOG 102	Cultural Geography OR	3.00
GEOG 102H	Cultural Geography-Honors	3.00
GEOG 120	World Regional Geography	3.00
<b>HIST 100</b>	<b>History of the United States to 1877 OR</b>	<b>3.00</b>
HIST 100H	History of the United States to 1877- Honors	3.00
<b>HIST 101</b>	<b>History of the United States 1865 to Present OR</b>	<b>3.00</b>
HIST 101H	History of the United States 1865 to Present- Honors	3.00
HIST 170	World Civilizations (3500 BCE-1500 CE) OR	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE) - Honors	3.00
HIST 171	World Civilizations (1500 CE to the Present) OR	3.00
HIST 171H	World Civilizations (1500 CE to the Present) - Honors	3.00

##### Political and Social Institutions

<b>ECON 100</b>	<b>Introduction to Economics</b>	<b>3.00</b>
<b>ECON 200</b>	<b>Principles of Macroeconomics OR</b>	<b>3.00</b>
ECON 200H	Principles of Macroeconomics-Honors	3.00
<b>ECON 201</b>	<b>Principles of Microeconomics OR</b>	<b>3.00</b>
ECON 201H	Principles of Microeconomics-Honors	3.00
POLIT 100	American Politics OR	3.00
POLIT 100H	American Politics-Honors	3.00
POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00

##### Philosophy and Religion

<b>PHIL 101</b>	<b>Introduction to Philosophy OR</b>	<b>3.00</b>
PHIL 101H	Introduction to Philosophy-Honors	3.00
<b>PHIL 105</b>	<b>Introduction to Ethics: Moral Values in Today's Society OR</b>	<b>3.00</b>
PHIL 105H	Introduction to Ethics: Moral Values in Today's Society-Honors	3.00
RELIG 110	Tribal and Ethnic Religions OR	3.00
ANTHRO 110	Tribal and Ethnic Religions	3.00
<b>RELIG 135</b>	<b>Religion in America OR</b>	<b>3.00</b>
<i>HIST 135</i>	<i>Religion in America</i>	<i>3.00</i>
<b>RELIG 100</b>	<b>Introduction to Religious Studies OR</b>	<b>3.00</b>
RELIG 100H	Introduction to Religious Studies-Honors	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00
RELIG 113	Introduction to Eastern Religions	3.00

RELIG 176	Jesus and His Interpreters	3.00
<b>Behavioral Science</b>		
<b>CD 105</b>	<b>Child Growth and Development</b>	<b>3.00</b>
CD 126	Child, Family and Community	3.00
<b>PSYCH 100</b>	<b>General Psychology OR</b>	<b>3.00</b>
PSYCH 100H	General Psychology- Honors	3.00
<b>PSYCH 102</b>	<b>Personal and Social Adjustment</b>	<b>3.00</b>
<b>PSYCH 103</b>	<b>Theories of Personality</b>	<b>3.00</b>
<b>PSYCH 110</b>	<b>Abnormal Psychology</b>	<b>3.00</b>
<b>PSYCH 111</b>	<b>Developmental Psychology: Lifespan</b>	<b>3.00</b>
<b>PSYCH 118</b>	<b>Human Sexual Behavior</b>	<b>3.00</b>
<b>SOC 100</b>	<b>Introduction to Sociology OR</b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00
<b>SOC 105</b>	<b>Social Problems</b>	<b>3.00</b>
<b>SOC 130</b>	<b>Marriage, Family and Intimate Relationships</b>	<b>3.00</b>
SOC 141	Minority Relations	3.00
SOC 150	Gerontology	3.00

**TOTAL CREDIT HOURS: 18.00**

CHC GE-breadth requirements: 28 units. 25 of which or 90% can be completed by taking one of several GE courses approved for Distance Education delivery. **14 or 100% of the additional elective units needed to reach 60 all of which can be completed through distance education.**

Total credit hours specific to the degree: 18.00. 18.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 57 units out of 60 or at least 95% of the units required to confer the degree can be completed through distance education**

## Multidisciplinary Associate of Science Environmental Science Degree

### Major/Program Requirements

#### Required Courses

##### One of the following:

BIOL 100	General Biology	4.00
BIOL 130	Cell and Molecular Biology	4.00
BIOL 130H	Cell and Molecular Biology-Honors	4.00

##### One of the following:

<b>CHEM 101</b>	<b>Introduction to Chemistry</b>	<b>4.00</b>
CHEM 150	General Chemistry I	5.00
CHEM 150H	General Chemistry I-Honors	5.00

##### One of the following sequences:

GEOL 100	Physical Geology OR	4.00
GEOL 100H	Physical Geology-Honors OR	4.00
GEOL 160	Geology Laboratory AND	1.00
<b>GEOL 101</b>	<b>Introduction to Geology OR</b>	<b>3.00</b>
GEOL 101H	Introduction to Geology-Honors	3.00

*In addition to the required coursework, each student must choose an emphasis and take at least (12) twelve units from one of the following areas:*

#### Emphasis in Biological Sciences

CHEM 151	General Chemistry II OR	5.00
CHEM 151H	General Chemistry II-Honors	5.00
<b>CHEM 102</b>	<b>Introduction to Organic Chemistry OR</b>	<b>4.00</b>
CHEM 212	Organic Chemistry I	4.00
BIOL 123	Ecology and Environment	3.00
BIOL 131	Populations and Organisms	4.00
CHEM 213	Organic Chemistry II	4.00

#### Emphasis in Geoscience Studies

GEOG 110	Physical Geography OR	3.00
GEOG 110H	Physical Geography-Honors	3.00
GEOG 111	Physical Geography Laboratory OR	1.00
GEOG 111H	Physical Geography Laboratory-Honors	1.00
GEOL 150	Geology and the Environment OR	3.00
GEOL 150H	Geology and the Environment-Honors	3.00
GEOG 126	Geography of California	3.00
GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
<b>ANTHRO 106</b>	<b>Biological Anthropology OR</b>	<b>3.00</b>
ANTHRO 106H	Biological Anthropology-Honors	3.00
CHEM 151	General Chemistry II OR	5.00
CHEM 151H	General Chemistry II-Honors	5.00

PHYSIC 100	Introduction to Physics OR	4.00
PHYSIC 110	General Physics I	4.00
PHYSIC 250	College Physics I	4.00

**TOTAL CREDIT HOURS: 23.00**

CHC GE-breadth requirements: 28 units. 25 of which or 90% can be completed by taking one of several GE courses approved for Distance Education delivery. **12 or 100% of the additional elective units needed to reach 60 all of which can be completed through distance education.**

Total credit hours specific to the degree: 23.00. 14.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 51 units out of 60 or at least 85% of the units required to confer the degree can be completed through distance education**

## Multidisciplinary Associate of Science Multiple Sciences Degree

### Major/Program Requirements

#### Required Courses:

A minimum of six (6) six units must be taken from two of the following three groups:

#### Physical Sciences

ASTRON 150	Introduction to Astronomy OR	3.00
ASTRON 150H	Introduction to Astronomy-Honors	3.00
ASTRON 160	Astronomy Laboratory	1.00
<b>CHEM 101</b>	<b>Introduction to Chemistry</b>	<b>4.00</b>
<b>CHEM 102</b>	<b>Introduction to Organic Chemistry</b>	<b>4.00</b>
<b>CHEM 123</b>	<b>Chemistry for Everyone</b>	<b>3.00</b>
CHEM 150	General Chemistry I OR	5.00
CHEM 150H	General Chemistry I-Honors	5.00
CHEM 151	General Chemistry II OR	5.00
CHEM 151H	General Chemistry II-Honors	5.00
CHEM 212	Organic Chemistry I	4.00
CHEM 213	Organic Chemistry II	4.00
ENGR 101	Introduction to Engineering	3.00
PHYSIC 100	Introduction to Physics	4.00
PHYSIC 110	General Physics I	4.00
PHYSIC 111	General Physics II	4.00
PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00

#### Earth Sciences

GEOL 100	Physical Geology OR	4.00
GEOL 100H	Physical Geology-Honors	4.00
<b>GEOL 101</b>	<b>Introduction to Geology OR</b>	<b>3.00</b>
GEOL 101H	Introduction to Geology-Honors	3.00
GEOL 112	Historical Geology	4.00
GEOL 113	Earth and Life History	3.00
GEOL 150	Geology and the Environment OR	3.00
GEOL 150H	Geology and the Environment-Honors	3.00
GEOL 160	Geology Laboratory	1.00
GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
GEOG 110	Physical Geography OR	3.00
GEOG 110H	Physical Geography-Honors	3.00
GEOG 111	Physical Geography Laboratory OR	1.00
GEOG 111H	Physical Geography Laboratory-Honors	1.00
GEOG 126	Geography of California	3.00

<b>OCEAN 100</b>	<b>Investigations in Oceanography</b>	<b>4.00</b>
<b>OCEAN 101</b>	<b>Elements of Oceanography OR</b>	<b>3.00</b>
OCEAN 101H	Elements of Oceanography-Honors	3.00
<b><i>Biological Sciences</i></b>		
ANAT 101	Essentials of Human Anatomy and Physiology	4.00
ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00
<b>ANTHRO 106</b>	<b>Biological Anthropology OR</b>	<b>3.00</b>
ANTHRO 106H	Biological Anthropology-Honors	3.00
BIOL 100	General Biology	4.00
BIOL 123	Ecology and Environment	3.00
BIOL 130	Cell and Molecular Biology OR	4.00
BIOL 130H	Cell and Molecular Biology-Honors	4.00
BIOL 131	Populations and Organisms	4.00
<b>HEALTH 263</b>	<b>Nutrition and Health OR</b>	<b>3.00</b>
HEALTH 263H	Nutrition and Health-Honors	3.00
MICRO 102	Introductory Microbiology	4.00
MICRO 150	Medical Microbiology	5.00

**TOTAL CREDIT HOURS: 18.00**

CHC GE-breadth requirements: 28 units. 25 of which or 90% can be completed by taking one of several GE courses approved for Distance Education delivery. **14 or 100% of the additional elective units needed to reach 60 all of which can be completed through distance education.**

Total credit hours specific to the degree: 18.00. 18.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 57 units out of 60 or at least 95% of the units required to confer the degree can be completed through distance education**

## Multidisciplinary Associate of Science Health Sciences Degree

### Major/Program Requirements

#### Required Core Courses

<b>CHEM 101</b>	<b>Introduction to Chemistry</b>	<b>4.00</b>
ANAT 150	Human Anatomy and Physiology I	4.00
ANAT 151	Human Anatomy and Physiology II	4.00
MICRO 150	Medical Microbiology	5.00
<b>ENGL 101</b>	<b>Freshman Composition OR</b>	<b>4.00</b>
ENGL 101H	Freshman Composition-Honors	4.00

#### One of the following:

<b>COMMST 100</b>	<b>Elements of Public Speaking</b>	<b>3.00</b>
COMMST 100H	Elements of Public Speaking- Honors	3.00
COMMST 111	Interpersonal Communication	3.00
COMMST 111H	Interpersonal Communication-Honors	3.00

#### One of the following:

<b>PSYCH 100</b>	<b>General Psychology</b>	<b>3.00</b>
PSYCH 100H	General Psychology- Honors	3.00
PSYCH 111	Developmental Psychology: Lifespan	3.00

#### One of the following:

<b>SOC 100</b>	<b>Introduction to Sociology</b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00
<b>ANTHRO 102</b>	<b>Cultural Anthropology</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00

**TOTAL CREDIT HOURS: 30.00**

CHC GE-breadth requirements: 28 units. 25 of which or 90% can be completed by taking one of several GE courses approved for Distance Education delivery. **5 or 100% of the additional elective units needed to reach 60 all of which can be completed through distance education.**

Total credit hours specific to the degree: 30.00. 17.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 37 units out of 60 or at least 62% of the units required to confer the degree can be completed through distance education**

## Music (MUSIC)

### *Associate in Arts in Music for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Music at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to pursue a Bachelor of Arts in Music degree.

#### ***Major/Program Requirements***

##### ***Required Courses:***

MUSIC 101	Music Theory I	4.00
MUSIC 102	Music Theory II	4.00
MUSIC 201	Music Theory III	4.00
MUSIC 202	Music Theory IV	4.00
MUSIC 141X4	Applied Music	.50

##### ***Required Ensemble Courses:***

MUSIC 150X4	Concert Choir OR	1.00
MUSIC 174X4	Jazz Band	1.00

Total of 4 units of any combination of ensemble courses.

**TOTAL CREDIT HOURS: 22.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 22.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## Music - Associate of Arts Degree

The Crafton Hills College Music Program provides basic training in Common Practice Era Theory, Western history, and practice/performance techniques. There are two ensembles (Jazz Ensemble and Choir) that perform 6-8 concerts each year and the Music Program hosts a Music Major recital each semester.

### Major/Program Requirements

#### Required Courses:

MUSIC 101	Music Theory I	4.00
MUSIC 102	Music Theory II	4.00
<b>MUSIC 120</b>	<b>Appreciation of Musical Literature OR</b>	<b>3.00</b>
MUSIC 120H	Appreciation of Musical Literature- Honors	3.00
MUSIC 141X4	Applied Music	.50
MUSIC 135	Piano I	2.00
MUSIC 136	Piano II	2.00
MUSIC 235	Piano III	2.00
MUSIC 236	Piano IV	2.00

#### Students must complete at least eight (8) units from the following:

MUSIC 132	Guitar I	2.00
MUSIC 133	Guitar II	2.00
MUSIC 150X4	Concert Choir	1.00
MUSIC 164X4	Concert Band	2.00
MUSIC 174X4	Jazz Band	1.00
MUSIC 179X4	Contemporary Ensemble	2.00
MUSIC 232	Guitar III	2.00
MUSIC 233	Guitar IV	2.00
MUSIC 247A	Special Projects in Music	1.00-3.00
MUSIC 247B	Special Projects in Music	1.00-3.00
MUSIC 247C	Special Projects in Music	1.00-3.00
MUSIC 247D	Special Projects in Music	1.00-3.00

#### Students must complete at least three (3) additional units from the following:

MUSIC 100	Fundamental Skills in Music	3.00
<b>MUSIC 103</b>	<b>Appreciation of American Popular Music OR</b>	<b>3.00</b>
MUSIC 103H	Appreciation of American Popular Music-Honors	3.00
<b>MUSIC 134</b>	<b>Jazz History</b>	<b>3.00</b>
MUSIC 180X4	Musical Theatre Workshop	2.00
MUSIC 190	Songwriting and Composition	3.00
MUSIC 195	Music Technology and Recording	4.00

**TOTAL CREDIT HOURS: 32.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 32.00. 6.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 31 units out of 60 or at least 52% of the units required to confer the degree can be completed through distance education**

## Philosophy (PHIL)

### *Associate in Arts in Philosophy for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Philosophy at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Philosophy or a related field of study.

### *Major/Program Requirements*

#### *Required Courses:*

<b>PHIL 101</b>	<b>Introduction to Philosophy OR</b>	<b>3.00</b>
PHIL 101H	Introduction to Philosophy-Honors	3.00
<b>PHIL 103</b>	<b>Introduction to Logic: Argument and Evidence</b>	<b>3.00</b>
<b>PHIL 105</b>	<b>Introduction to Ethics: Moral Values in Today's Society OR</b>	<b>3.00</b>
PHIL 105H	Introduction to Ethics: Moral Values in Today's Society-Honors	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00
RELIG 113	Introduction to Eastern Religions	3.00

#### *Students must complete three (3) additional units from the following courses:*

ANTHRO 110	Tribal and Ethnic Religions OR	3.00
<b>HIST 135</b>	<b>Religion in America OR</b>	<b>3.00</b>
HUM 101	The Humanities I: Prehistoric to Medieval OR	3.00
HUM 102	The Humanities II: Renaissance to Post Modern OR	3.00
<b>RELIG 100</b>	<b>Introduction to Religious Studies OR</b>	<b>3.00</b>
RELIG 100H	Introduction to Religious Studies-Honors OR	3.00
RELIG 110	Tribal and Ethnic Religions OR	3.00
RELIG 120	Introduction to Islam OR	3.00
<b>RELIG 135</b>	<b>Religion in America OR</b>	<b>3.00</b>
RELIG 175	Literature and Religion of the Bible OR	3.00
RELIG 176	Jesus and His Interpreters	3.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. 15.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 51 units out of 60 or at least 85% of the units required to confer the degree can be completed through distance education**

## Philosophy - Associate of Arts Degree

### Major/Program Requirements

#### Required Courses:

<b>PHIL 101</b>	<b>Introduction to Philosophy OR</b>	<b>3.00</b>
PHIL 101H	Introduction to Philosophy-Honors	3.00
<b>PHIL 105</b>	<b>Introduction to Ethics: Moral Values in Today's Society OR</b>	<b>3.00</b>
PHIL 105H	Introduction to Ethics: Moral Values in Today's Society-Honors	3.00

#### Students must complete at least six (6) units from the following courses:

HIST 170	World Civilizations (3500 BCE-1500 CE) OR	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE) - Honors	3.00
HIST 171	World Civilizations (1500 CE to the Present) OR	3.00
HIST 171H	World Civilizations (1500 CE to the Present) - Honors	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00

#### Students must complete at least six (6) additional units from the following courses:

<b>PHIL 103</b>	<b>Introduction to Logic: Argument and Evidence</b>	<b>3.00</b>
<b>RELIG 100</b>	<b>Introduction to Religious Studies OR</b>	<b>3.00</b>
RELIG 100H	Introduction to Religious Studies-Honors	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00
RELIG 110	Tribal and Ethnic Religions OR	3.00
ANTHRO 110	Tribal and Ethnic Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00
RELIG 176	Jesus and His Interpreters	3.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 48 units out of 60 or at least 80% of the units required to confer the degree can be completed through distance education**

## Physics (PHYSIC)

### *Associate in Science in Physics for Transfer (AS-T) Degree*

The Associate in Science-Transfer (AS-T) degree in Physics at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in physics, astronomy, astrophysics or a related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

**TOTAL CREDIT HOURS: 25.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 25.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 64 or at least 56% of the units required to confer the degree can be completed through distance education.**

## Political Science (POLIT)

### *Associate in Arts in Political Science for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Political Science at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Political Science or a related field of study.

#### **Major/Program Requirements**

##### **Required Courses:**

POLIT 100	American Politics OR	3.00
POLIT 100H	American Politics-Honors	3.00

##### **Students must complete at least nine (9) units from the following courses:**

POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00
MATH 110	Introduction to Probability and Statistics OR	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

##### **Students must complete at least six (6) additional units from the following courses:**

POLIT 102	California Politics and Culture	3.00
MATH 110	Introduction to Probability and Statistics OR	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
<b>ECON 100</b>	<b>Introduction to Economics</b>	<b>3.00</b>
<b>ECON 200</b>	<b>Principles of Macroeconomics OR</b>	<b>3.00</b>
ECON 200H	Principles of Macroeconomics-Honors	3.00
<b>ECON 201</b>	<b>Principles of Microeconomics OR</b>	<b>3.00</b>
ECON 201H	Principles of Microeconomics-Honors	3.00
GEOG 120	World Regional Geography	3.00
<b>HIST 100</b>	<b>History of the United States to 1877 OR</b>	<b>3.00</b>
HIST 100H	History of the United States to 1877- Honors	3.00
<b>HIST 101</b>	<b>History of the United States 1865 to Present OR</b>	<b>3.00</b>
HIST 101H	History of the United States 1865 to Present- Honors	3.00
HIST 170	World Civilizations (3500 BCE-1500 CE) OR	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE) - Honors	3.00
HIST 171	World Civilizations (1500 CE to the Present) OR	3.00
HIST 171H	World Civilizations (1500 CE to the Present) - Honors	3.00
<b>PSYCH 100</b>	<b>General Psychology OR</b>	<b>3.00</b>
PSYCH 100H	General Psychology- Honors	3.00
<b>SOC 100</b>	<b>Introduction to Sociology OR</b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. **6.00 of the required units in this discipline have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because at least 42 units out of 60 or at least 70% of the units required to confer the degree can be completed through distance education**

## Political Science - Associate of Arts Degree

### Major/Program Requirements

#### Required Courses:

POLIT 100	American Politics OR	3.00
POLIT 100H	American Politics-Honors	3.00

#### Students must complete at least six (6) units from the following list:

POLIT 102	California Politics and Culture	3.00
POLIT 104	Introduction to Comparative Politics	3.00
POLIT 106	Introduction to World Politics	3.00
POLIT 110	Introduction to Political Theory	3.00

#### Students must complete at least six (6) additional units from the following list:

<b>HIST 100</b>	<b>History of the United States to 1877 OR</b>	<b>3.00</b>
HIST 100H	History of the United States to 1877- Honors	3.00
<b>HIST 101</b>	<b>History of the United States 1865 to Present OR</b>	<b>3.00</b>
HIST 101H	History of the United States 1865 to Present- Honors	3.00
HIST 170	World Civilizations (3500 BCE-1500 CE) OR	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE) - Honors	3.00
HIST 171	World Civilizations (1500 CE to the Present) OR	3.00
HIST 171H	World Civilizations (1500 CE to the Present) - Honors	3.00

#### Students must complete at least three (3) additional units from the following list:

<b>ECON 100</b>	<b>Introduction to Economics</b>	<b>3.00</b>
<b>ECON 200</b>	<b>Principles of Macroeconomics OR</b>	<b>3.00</b>
ECON 200H	Principles of Macroeconomics-Honors	3.00
<b>ECON 201</b>	<b>Principles of Microeconomics OR</b>	<b>3.00</b>
ECON 201H	Principles of Microeconomics-Honors	3.00

#### Recommended Courses

It is recommended that students complete their general education requirements in physical and biological sciences and mathematics by taking the following courses:

GEOG 110	Physical Geography OR	3.00
GEOG 110H	Physical Geography-Honors	3.00
GEOG 111	Physical Geography Laboratory OR	1.00
GEOG 111H	Physical Geography Laboratory-Honors	1.00
ANTHRO 106	Biological Anthropology OR	3.00
ANTHRO 106H	Biological Anthropology-Honors	3.00
MATH 110	Introduction to Probability and Statistics OR	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. **9.00 of the required units in this discipline have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because at least 45 units out of 60 or at least 75% of the units required to confer the degree can be completed through distance education**

## Psychology (PSYCH)

### *Associate in Arts in Psychology for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Psychology at Crafton Hills College is designed to meet the needs of students transferring to a California State University or University of California who intend to major in Psychology or a related field of study.

#### *Major/Program Requirements*

##### *Required Courses:*

<b>PSYCH 100</b>	<b>General Psychology OR</b>	<b>3.00</b>
PSYCH 100H	General Psychology- Honors	3.00
<b>PSYCH 101</b>	<b>Research Methods</b>	<b>3.00</b>
MATH 110	Introduction to Probability and Statistics OR	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
<b>PSYCH 111</b>	<b>Developmental Psychology: Lifespan</b>	<b>3.00</b>
BIOL 100	General Biology	4.00

##### *Students must complete at least three (3) units from the following courses:*

<b>PSYCH 102</b>	<b>Personal and Social Adjustment</b>	<b>3.00</b>
<b>PSYCH 103</b>	<b>Theories of Personality</b>	<b>3.00</b>
<b>PSYCH 110</b>	<b>Abnormal Psychology</b>	<b>3.00</b>
<b>PSYCH 118</b>	<b>Human Sexual Behavior</b>	<b>3.00</b>

**TOTAL CREDIT HOURS: 20.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. 12.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because least 48 units out of 60 or least 80% of the units required to confer the degree can be completed through distance education**

## Psychology - Associate of Arts Degree

Psychology is one of the most popular majors because it is so useful in research, counseling, human services, marketing, management, emergency services, and law. At Crafton Hills College, this major is supported by a very active student club.

### *Major/Program Requirements*

#### *Required Courses:*

<b>PSYCH 100</b>	<b>General Psychology OR</b>	<b>3.00</b>
PSYCH 100H	General Psychology- Honors	3.00
<b>PSYCH 101</b>	<b>Research Methods</b>	<b>3.00</b>
MATH 110	Introduction to Probability and Statistics OR	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
<b>PSYCH 111</b>	<b>Developmental Psychology: Lifespan</b>	<b>3.00</b>
BIOL 100	General Biology	4.00

*Students must complete at least six (6) additional units from the following courses:*

<b>PSYCH 102</b>	<b>Personal and Social Adjustment</b>	<b>3.00</b>
<b>PSYCH 103</b>	<b>Theories of Personality</b>	<b>3.00</b>
<b>PSYCH 110</b>	<b>Abnormal Psychology</b>	<b>3.00</b>
<b>PSYCH 118</b>	<b>Human Sexual Behavior</b>	<b>3.00</b>

**TOTAL CREDIT HOURS: 23.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 23.00. 15.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 51 units out of 60 or at least 85% of the units required to confer the degree can be completed through distance education**

## Religious Studies (RELIG)

### *Religious Studies - Associate of Arts Degree*

#### *Major/Program Requirements*

##### *Required Courses:*

<b>RELIG 100</b>	<b>Introduction to Religious Studies OR</b>	<b>3.00</b>
RELIG 100H	Introduction to Religious Studies-Honors	3.00
<b>RELIG 101</b>	<b>Introduction to World Religions OR</b>	<b>3.00</b>
RELIG 101H	Introduction to World Religions-Honors	3.00

##### *Students must complete at least six (6) units from the following courses:*

HIST 170	World Civilizations (3500 BCE-1500 CE) OR	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE) - Honors	3.00
HIST 171	World Civilizations (1500 CE to the Present) OR	3.00
HIST 171H	World Civilizations (1500 CE to the Present) - Honors	3.00
HUM 101	The Humanities I: Prehistoric to Medieval	3.00
HUM 102	The Humanities II: Renaissance to Post Modern	3.00

##### *Students must complete at least six (6) additional units from the following courses:*

RELIG 110	Tribal and Ethnic Religions OR	3.00
ANTHRO 110	Tribal and Ethnic Religions	3.00
RELIG 113	Introduction to Eastern Religions	3.00
<b>RELIG 135</b>	<b>Religion in America OR</b>	<b>3.00</b>
<b>HIST 135</b>	<b>Religion in America</b>	<b>3.00</b>
RELIG 175	Literature and Religion of the Bible OR	3.00
ENGL 175	Literature and Religion of the Bible	3.00
RELIG 176	Jesus and His Interpreters	3.00
<b>PHIL 101</b>	<b>Introduction to Philosophy OR</b>	<b>3.00</b>
PHIL 101H	Introduction to Philosophy-Honors	3.00
<b>PHIL 105</b>	<b>Introduction to Ethics: Moral Values in Today's Society OR</b>	<b>3.00</b>
PHIL 105H	Introduction to Ethics: Moral Values in Today's Society-Honors	3.00
ENGL 150	Classical Mythology	3.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. **12.00 of the required units in this discipline have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because at least 48 units out of 60 or at least 80% of the units required to confer the degree can be completed through distance education**

## Sociology (SOC)

### *Associate in Arts in Sociology for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Sociology at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Sociology or a related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

<b>SOC 100</b>	<b>Introduction to Sociology OR</b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00
<b>SOC 105</b>	<b>Social Problems</b>	<b>3.00</b>
PSYCH 120	Statistics for the Social and Behavioral Sciences OR	4.00
MATH 110	Introduction to Probability and Statistics	4.00

##### ***Students must complete at least six (6) units from the following courses:***

SOC 130	Marriage, Family and Intimate Relationships	3.00
SOC 141	Minority Relations	3.00
SOC 145	Sex, Gender and Society	3.00

##### ***Students must complete at least three (3) additional units from the following courses:***

<b>SOC 130</b>	<b>Marriage, Family and Intimate Relationships</b>	<b>3.00</b>
SOC 141	Minority Relations	3.00
SOC 145	Sex, Gender and Society	3.00
SOC 150	Gerontology	3.00
<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
<b>PSYCH 100</b>	<b>General Psychology OR</b>	<b>3.00</b>
PSYCH 100H	General Psychology- Honors	3.00
POLIT 100	American Politics OR	3.00
POLIT 100H	American Politics-Honors	3.00
<b>ECON 100</b>	<b>Introduction to Economics</b>	<b>3.00</b>

**TOTAL CREDIT HOURS: 19.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 19.00. **9.00 of the required units in this discipline have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because at least 45 units out of 60 or at least 75% of the units required to confer the degree can be completed through distance education**

## Sociology - Associate of Arts Degree

### Major/Program Requirements

#### Required Courses:

<b>SOC 100</b>	<b>Introduction to Sociology OR</b>	<b>3.00</b>
SOC 100H	Introduction to Sociology-Honors	3.00
<b>SOC 105</b>	<b>Social Problems</b>	<b>3.00</b>
SOC 141	Minority Relations	3.00

#### Students must complete at least six (6) units from the following courses:

<b>ANTHRO 102</b>	<b>Cultural Anthropology OR</b>	<b>3.00</b>
ANTHRO 102H	Cultural Anthropology-Honors	3.00
GEOG 102	Cultural Geography OR	3.00
GEOG 102H	Cultural Geography-Honors	3.00
MATH 110	Introduction to Probability and Statistics OR	4.00
PSYCH 120	Statistics for the Social and Behavioral Sciences	4.00
<b>PSYCH 100</b>	<b>General Psychology OR</b>	<b>3.00</b>
PSYCH 100H	General Psychology- Honors	3.00

#### Students must complete at least three (3) additional units from the courses listed above or the following courses:

<b>SOC 130</b>	<b>Marriage, Family and Intimate Relationships</b>	<b>3.00</b>
SOC 150	Gerontology	3.00

**TOTAL CREDIT HOURS: 18.00-19.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00-19.00. 15.00 of the required units in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 51 units out of 60 or at least 85% of the units required to confer the degree can be completed through distance education**

## Spanish (SPAN)

### *Associate in Arts in Spanish for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Spanish at Crafton Hills College is designed to meet the needs of students transferring to California State University who intend to major in Spanish or a related field of study.

#### *Major/Program Requirements*

##### *Required Courses:*

SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

##### *Students must complete at least three (3) units from the following courses:*

ENGL 163	Chicano/Latino Literature	3.00
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**TOTAL CREDIT HOURS: 23.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 23.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## Spanish - Associate of Arts Degree

### *Major/Program Requirements*

##### *Required Courses:*

SPAN 101	College Spanish I	5.00
SPAN 102	College Spanish II	5.00
SPAN 103	College Spanish III	5.00
SPAN 104	College Spanish IV	5.00

**TOTAL CREDIT HOURS: 20.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 20.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## Theatre Arts (THART)

### *Associate in Arts in Theatre Arts for Transfer (AA-T) Degree*

An Associate in Arts-Transfer (AA-T) degree in Theatre Arts at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in Theatre Arts or a related field of study.

#### ***Major/Program Requirements***

##### ***Required Courses:***

THART 100	Introduction to Theatre OR	3.00
THART 100H	Introduction to Theatre-Honors	3.00
THART 108	World Drama I OR	3.00
ENGL 108	World Drama I	3.00
THART 120	Beginning Acting	3.00
THART 124X2	Beginning Performance Workshop OR	3.00
THART 134X4	Technical Theatre Workshop	1.00

##### ***Students must complete at least nine (9) units from the following courses:***

THART 124X2	Beginning Performance Workshop	3.00
THART 134X4	Technical Theatre Workshop	1.00
THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00
THART 220	Intermediate Acting	3.00
THART 226	Play and Screenplay Analysis OR	3.00
ENGL 226	Play and Screenplay Analysis	3.00

**TOTAL CREDIT HOURS: 18.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 18.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## Theatre Arts - Associate of Arts Degree

### The Theatre Arts program is designed to provide:

1. Preparation for transfer to a four year college theatre program with a course of study that results in a BA or BFA degree
2. An AA degree representing equivalent of the first two years of a course of study in a four year college theatre program. The normal course of study in four year programs features a variety of classes in a track program format that develops the different aspects of theatre performance and technical skills such as acting, voice and diction, dance, production experience, stage craft, introduction to theatre, theatre history, directing, audition technique and text analysis.
3. The program is also designed to provide courses such as Introduction to Theatre that fulfill general education requirements and courses of popular interest for non theatre major students such as dance and acting.

### Major/Program Requirements

#### Required Courses:

THART 100	Introduction to Theatre OR	3.00
THART 100H	Introduction to Theatre-Honors	3.00
THART 120	Beginning Acting	3.00

#### STUDENTS MUST CHOOSE ONE AREA OF EMPHASIS FROM THE FOLLOWING TWO (2) EMPHASIS OPTIONS:

##### Emphasis in Performance:

THART 110	Voice and Diction OR	3.00
COMMST 110	Voice and Diction	3.00
THART 220	Intermediate Acting	3.00
THART 221	Advanced Acting	3.00
THART 124X2	Beginning Performance Workshop	3.00
THART 134X4	Technical Theatre Workshop	1.00
THART 140X2	Intermediate Performance Workshop	3.00

##### Recommended Courses:

THART 140X2	Intermediate Performance Workshop	3.00
THART 145	Advanced Theatre Practicum I	3.00
THART 245	Advanced Theatre Practicum II	3.00
THART 226	Play and Screenplay Analysis OR	3.00
ENGL 226	Play and Screenplay Analysis	3.00

##### Emphasis in Theatre Technology:

THART 176	Fundamentals of Stagecraft I	3.00
THART 179	Fundamentals of Stagecraft II	3.00
THART 134X4	Technical Theatre Workshop	1.00
THART 145	Advanced Theatre Practicum I	3.00
THART 245	Advanced Theatre Practicum II	3.00

**TOTAL CREDIT HOURS: 23.00-26.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 23.00-26.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 36 units out of 60 or at least 60% of the units required to confer the degree can be completed through distance education.**

## Appendix C-2: AA, AS Degrees, At Least 40 Percent DE

Crafton Hills College offers four AA and AS degrees with at least 40%, but fewer than 50% of credits in DE formats.

### Child Development (CD)

#### *Associate in Arts in Elementary Teacher Education for Transfer (AA-T) Degree*

The Associate in Arts-Transfer (AA-T) degree in Elementary Teacher Education at Crafton Hills College is designed to meet the needs of students transferring to a California State University who intend to major in liberal studies or a related field of study.

#### *Major/Program Requirements*

##### *Required Courses:*

<b>CD 105</b>	<b>Child Growth and Development</b>	<b>3.00</b>
CD 295	Elementary Laboratory	3.00
EDU 290	Introduction to Education	3.00

##### *Required General Education Courses:*

<b>ENGL 101</b>	<b>Freshman Composition OR</b>	<b>4.00</b>
ENGL 101H	Freshman Composition-Honors	4.00
<b>COMMST 100</b>	<b>Elements of Public Speaking OR</b>	<b>3.00</b>
COMMST 100H	Elements of Public Speaking- Honors	3.00
BIOL 100	General Biology	4.00
<b>CHEM 101</b>	<b>Introduction to Chemistry</b>	<b>4.00</b>
PHYSIC 100	Introduction to Physics	4.00
ENGL 152	Intermediate Composition and Literature	4.00
<b>HIST 100</b>	<b>History of the United States to 1877 OR</b>	<b>3.00</b>
HIST 100H	History of the United States to 1877- Honors	3.00
HIST 170	World Civilizations (3500 BCE-1500 CE) OR	3.00
HIST 170H	World Civilizations (3500 BCE-1500 CE)	3.00
GEOG 120	World Regional Geography	3.00
POLIT 100	American Politics OR	3.00
POLIT 100H	American Politics-Honors	3.00

##### *Students must complete at least three (3) units from the following courses:*

<b>COMMST 125</b>	<b>Critical Thinking through Argumentation and Debate OR</b>	<b>3.00</b>
COMMST 125H	Critical Thinking through Argumentation and Debate-Honors OR	3.00
<b>ENGL 102</b>	<b>Intermediate Composition and Critical Thinking OR</b>	<b>4.00</b>
ENGL 102H	Intermediate Composition and Critical Thinking-Honors	4.00

##### *Students must complete at least three (3) additional units from the following courses:*

<b>MUSIC 120</b>	<b>Appreciation of Musical Literature OR</b>	<b>3.00</b>
MUSIC 120H	Appreciation of Musical Literature- Honors	3.00
THART 100	Introduction to Theatre OR	3.00
THART 100H	Introduction to Theatre-Honors	3.00

##### *Students must also complete the following seven (7) units:*

GEOL 140	Earth Science	3.00
GEOL 141	Earth Science Laboratory	1.00

MATH 106

Mathematical Concepts for Elementary School Teachers - Number  
Systems

3.00

**TOTAL CREDIT HOURS: 57.00-58.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 57.00-58.00. **24.00 of the required units in this discipline have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because at least 24 units out of 60 or at least 40% of the units required to confer the degree can be completed through distance education**

## Emergency Medical Services (EMS)

### *Emergency Medical Services - Associate of Science Degree*

#### **Major/Program Requirements**

##### **Required Courses:**

EMS 150	Patient Assessment for Paramedics	3.00
EMS 151	Introduction to EMS for Paramedics	2.00
EMS 152	Cardiology for the Paramedic	4.50
EMS 153	Pharmacology for the EMT-Paramedic	3.00
EMS 154	Emergency Medical Services Theory for the Paramedic	8.00
EMS 155	Skills Development for Paramedics	3.00
EMS 156	Clinical Externship for the Paramedic	2.00
EMS 157	Field Externship for the Paramedic	7.50

**TOTAL CREDIT HOURS: 33.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 33.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 25 units out of 61 or at least 41% of the units required to confer the degree can be completed through distance education.**

## Geology (GEOL)

### *Geology - Associate of Science Degree*

#### *Major/Program Requirements*

##### *Required Courses:*

GEOL 100	Physical Geology OR	4.00
GEOL 100H	Physical Geology-Honors OR	4.00
GEOL 160	Geology Laboratory AND	1.00
<b>GEOL 101</b>	<b>Introduction to Geology OR</b>	<b>3.00</b>
GEOL 101H	Introduction to Geology-Honors	3.00
GEOL 112	Historical Geology	4.00
CHEM 150	General Chemistry I OR	5.00
CHEM 150H	General Chemistry I-Honors	5.00
CHEM 151	General Chemistry II OR	5.00
CHEM 151H	General Chemistry II-Honors	5.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
PHYSIC 250	College Physics I	4.00

##### *Students must complete at least two (2) units from the following courses:*

GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 177	Geology of the High Desert and Western Mojave Desert Region	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00

##### *Recommended Courses:*

PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00
GEOL 170	Geologic History of the Great Basin	1.00
GEOL 175	Geology of the Eastern Mojave Desert	1.00
GEOL 180	Geology of Joshua Tree National Park	1.00
GEOL 181	Geology of the Anza Borrego Region	1.00
GEOL 190	Geology of the Eastern Sierra Nevada, Northern Section	1.00
GEOL 250	Geology of California	3.00
GEOL 251	Geology of National Parks and Monuments	3.00
GEOL 270	Geology of the Eastern Sierra Nevada	1.00
GIS 175	Introduction to Information Mapping	3.00
<b>OCEAN 101</b>	<b>Elements of Oceanography</b>	<b>3.00</b>

**TOTAL CREDIT HOURS: 32.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 32.00. **3.00 of the required units in this discipline have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because at least 28 units out of 60 or at least 47% of the units required to confer the degree can be completed through distance education**

## Physics (PHYSIC)

### *Physics - Associate of Science Degree*

#### **Major/Program Requirements**

##### **Required Courses:**

PHYSIC 250	College Physics I	4.00
PHYSIC 251	College Physics II	4.00
PHYSIC 252	College Physics III	4.00
CHEM 150	General Chemistry I OR	5.00
CHEM 150H	General Chemistry I-Honors	5.00
CHEM 151	General Chemistry II OR	5.00
CHEM 151H	General Chemistry II-Honors	5.00
MATH 250	Single Variable Calculus I	4.00
MATH 251	Single Variable Calculus II	4.00
MATH 252	Multivariable Calculus	5.00

##### **Recommended Courses:**

MATH 266	Introduction to Ordinary Differential Equations	4.00
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**TOTAL CREDIT HOURS: 35.00**

CSU GE-breadth or IGETC for CSU requirements: 39-42 units CSU electives (as needed to reach 60 transferrable units): 0-3. **A total of 36 of the required GE or IGETC units can be completed by taking one of several GE courses approved for Distance Education delivery which is 90%.**

Total credit hours specific to the degree: 35.00. None of the courses in this discipline have been approved for Distance Education delivery. **This degree has been included in the Substantive Change Proposal because at least 25 units out of 63 or at least 40% of the units required to confer the degree can be completed through distance education.**

## Appendix D-1: Certificates, 50 Percent or Greater DE

This section contains certificates for which 50% or more of the credits can be fulfilled by taking courses approved for Distance Education (**DE courses are indicated in red/boldface**).

### Cisco Certified Network Associate Certificate

The objective of this certificate is to provide students the knowledge and skills necessary to prepare for the Cisco Certified Network Associate (CCNA) Certification Examination. Satisfactory passing of the exam will lead to employment in entry-level positions in the small office and/or home office (SOHO) market.

#### *Major/Program Requirements*

##### *Required Courses:*

<b>CIS 140</b>	<b>Introduction to Networks (Cisco CCNA 1)</b>	<b>4.00</b>
<b>CIS 141</b>	<b>Basic Routing and Switching (Cisco CCNA 2)</b>	<b>4.00</b>
<b>CIS 142</b>	<b>Advanced Routing and Switching (CISCO CCNA 3)</b>	<b>4.00</b>
<b>CIS 143</b>	<b>WAN Technologies and Network Services (CISCO CCNA 4)</b>	<b>4.00</b>

**TOTAL CREDIT HOURS: 16.00**

Total credit hours in the Certificate: 16. **All of the required units have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because all 16 out of 16 or 100% of the units can be completed through distance education**

## Computer Information Systems Certificate

The objective of this certificate is to provide students the knowledge and skills necessary to prepare for employment in entry-level positions in the field of Computer Information Systems. The certificate indicates that the student has acquired knowledge of the different aspects of information technology including programming, hardware, networking, databases, and web design.

### *Major/Program Requirements*

#### *Required Courses:*

<b>CIS 101</b>	<b>Introduction to Computer and Information Technology OR</b>	<b>3.00</b>
BUSAD 230	Using Computers for Business	3.00
CIS 104	Object Oriented Programming with Visual Basic OR	3.00
<b>CIS 113</b>	<b>Java Programming OR</b>	<b>3.00</b>
CIS 114	C++ Programming I OR	3.00
<b>CSCI 110</b>	<b>Introduction to Computer Science I</b>	<b>3.00</b>
CIS 111	Web Page Programming and Design	3.00
CIS 130	Hardware and Information Technology	3.00
<b>CIS 140</b>	<b>Introduction to Networks (Cisco CCNA 1)</b>	<b>4.00</b>

#### *Students must complete at least twelve (12) additional units from the following courses:*

CIS 104	Object Oriented Programming with Visual Basic	3.00
CIS 113	Java Programming	3.00
CIS 114	C++ Programming I OR	3.00
<b>CSCI 110</b>	<b>Introduction to Computer Science I</b>	<b>3.00</b>
CIS 116	C++ Programming II OR	3.00
<b>CSCI 120</b>	<b>Introduction to Computer Science II</b>	<b>3.00</b>
<b>CIS 141</b>	<b>Basic Routing and Switching (Cisco CCNA 2)</b>	<b>4.00</b>
CIS 161	Website Design and Programming Using Dreamweaver	3.00
CIS 163	Introduction to PhotoShop	3.00
<b>CIS 211</b>	<b>Cascading Style Sheet (CSS) Web Design</b>	<b>3.00</b>

**TOTAL CREDIT HOURS: 28.00**

Total credit hours in the Certificate: 28. **22.00 of the required units have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because 22 out of 28 or 79% of the units can be completed through distance education**

## Appendix D-2: Certificates, At Least 40 Percent DE

This section includes certificates that do not meet the 50% threshold, but are anticipated to meet or exceed 50% by spring 2017. (**DE courses are indicated in red/boldface**. An asterisk indicates courses are currently being considered for DE delivery.)

### Computer Assisted Graphic Design Certificate

The objective of this certificate is to provide students the knowledge and skills necessary for employment in entry-level positions in the field of Computer Assisted Graphic Design. The certificate indicates student knowledge of the software, theory, and abilities required to pursue a career in Computer Assisted Graphic Design.

#### *Major/Program Requirements*

##### *Required Courses:*

<b>ART 120</b>	<b>Foundations of Two-Dimensional Design</b>	<b>3.00</b>
ART 124	Drawing I	3.00
CIS 163	Introduction to PhotoShop	3.00
CIS 165	Introduction to 3D Modeling and Animation	3.00
<b>CIS 180*</b>	<b>Computer Graphics with Adobe Illustrator</b>	<b>1.00-3.00</b>
<b>CIS 182*</b>	<b>Desktop Publishing with Adobe Indesign</b>	<b>1.00-3.00</b>

##### *Recommended Courses:*

CIS 166	Advanced 3D Modeling and Animation	3.00
CIS 184	Photoshop and Digital Photography	3.00

**TOTAL CREDIT HOURS: 18.00**

Total credit hours in the Certificate: 18. **3.00 of the required units have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because 3 out of 18 or 17% of the units can be completed through distance education.**

## Programming Certificate

The objective of this certificate is to provide students with the knowledge and skills necessary for employment in entry-level positions in the field of computer programming or to continue to pursue a four-year degree in Computer Information Systems or Computer Science. The Programming Certificate indicates the student has acquired knowledge of various programming languages including basic language structures, syntax, debugging, and application development.

### Major/Program Requirements

#### Required Courses:

CIS 095	Employability Skills for Technical Careers	2.00
CIS 114	C++ Programming I OR	3.00
<b>CSCI 110</b>	<b>Introduction to Computer Science I</b>	<b>3.00</b>
CIS 116	C++ Programming II OR	3.00
<b>CSCI 120</b>	<b>Introduction to Computer Science II</b>	<b>3.00</b>

#### Students must complete at least ten (10) additional units from the following courses:

CIS 104	Object Oriented Programming with Visual Basic	3.00
CIS 105	Database Concepts and Design	3.00
<b>CIS 111*</b>	<b>Web Page Programming and Design</b>	<b>3.00</b>
CIS 113	Java Programming	3.00
CIS 117	Scripting	3.00
CIS 121	Android Application Development	3.00
CIS 125	Introduction to C#.net Programming	3.00
CIS 190D	Software Development Internship	1.00-3.00
MATH 102	College Algebra	4.00

**TOTAL CREDIT HOURS: 18.00-20.00**

Total credit hours in the Certificate: 18.00-20.00. **6.00 of the required units have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because 6 out of 20 or 30% of the units can be completed through distance education**

## Web Design Certificate

The objective of this certificate is to provide students the knowledge and skill necessary for employment in entry-level positions in the field of Web Design. The certificate indicates that the student has acquired knowledge of Web page design and development with an emphasis on graphic and visual elements and the Web-specific Adobe Creative Suite applications.

### *Major/Program Requirements*

#### *Required Courses:*

<b>CIS 111*</b>	<b>Web Page Programming and Design</b>	<b>3.00</b>
CIS 161	Website Design and Programming Using Dreamweaver	3.00
<b>CIS 162</b>	<b>Introduction to Flash</b>	<b>3.00</b>
CIS 163	Introduction to PhotoShop	3.00
<b>CIS 211</b>	<b>Cascading Style Sheet (CSS) Web Design</b>	<b>3.00</b>

#### *Recommended Courses:*

CIS 180	Computer Graphics with Adobe Illustrator	1.00-3.00
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**TOTAL CREDIT HOURS: 15.00-18.00**

Total credit hours in the Certificate: 15.00-18.00. **6.00 of the required units have been approved for Distance Education delivery. This degree has been included in the Substantive Change Proposal because 6 out of 18 or 33% of the units can be completed through distance education**

## Appendix E: Participation and Membership, Distance Education Planning

Membership of the ETC is as follows:

Voting Members: Faculty (appointed by the CHC Academic Senate):

- Faculty chair (Distance Education Coordinator)
- Instructional Faculty (appointed by the Academic Senate) one of whom serves as a Liaison to the Curriculum Committee
- Student Services faculty member

Instruction Support faculty member Non-Voting Members:

- The CHC Vice President of Instruction or designee,
- Vice President of Student Services or designee
- Student Senate Representative
- Representative from Technology Services
- Representative from the District Technology Services Department (TESS)

## Endnotes

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- <sup>i</sup> Educational Master Plan Committee webpage, charge. [www.craftonhills.edu/EMPCCommittee](http://www.craftonhills.edu/EMPCCommittee)
- <sup>ii</sup> Crafton Council webpage, charge. [www.craftonhills.edu/CraftonCouncil](http://www.craftonhills.edu/CraftonCouncil)
- <sup>iii</sup> SBCCD Board of Trustees Meeting Minutes October 9, 2014, p. 4, Action Items.  
<http://www.sbccd.org/~media/Files/SBCCD/District/Board/Minutes/2014%20Minutes/10-9-14.pdf>
- <sup>iv</sup> Crafton Hills College Distance Education Plan 2016-2020.  
[http://www.craftonhills.edu/~media/Files/SBCCD/CHC/Faculty%20and%20Staff/CHC\\_Distance\\_Ed\\_Plan\\_1-26-16\\_approved.pdf](http://www.craftonhills.edu/~media/Files/SBCCD/CHC/Faculty%20and%20Staff/CHC_Distance_Ed_Plan_1-26-16_approved.pdf)
- <sup>v</sup> Crafton Hills College Student Equity Plan, 2014.  
[http://www.craftonhills.edu/~media/Files/SBCCD/CHC/About%20CHC/Research%20and%20Planning/Planning%20Documents/2014\\_CHCStuEquityPlan\\_Final.pdf](http://www.craftonhills.edu/~media/Files/SBCCD/CHC/About%20CHC/Research%20and%20Planning/Planning%20Documents/2014_CHCStuEquityPlan_Final.pdf)
- <sup>vi</sup> SBCCD Economic Development and Corporate Training Website, Environmental Scanning.  
<https://www.edctraining.org/research/labor-market-reports>
- <sup>vii</sup> Presentation, 2016 Educational and Facilities Master Plans, Slide 22, Regional Gaps, Associate Degrees  
<http://www.sbccd.org/~media/Files/SBCCD/District/Research/Planning/SBVC%20Presentation%20-%20External%20Scan.pdf>
- <sup>viii</sup> Dadgar, M. and Trimble, M.J. (2014). Labor market returns to sub-baccalaureate credentials: How much does a community college degree or certificate pay? Educational Evaluation and Policy Analysis. Downloaded from <http://eepa.aera.net> on February 12, 2016.  
<http://epa.sagepub.com/content/early/2014/10/21/0162373714553814.full.pdf+html?ijkey=IC4hU3xE M6Gg.&keytype=ref&siteid=spepa>
- <sup>ix</sup> Educational Technology Meeting Minutes January 27, 2016.  
[http://www.craftonhills.edu/Faculty\\_and\\_Staff/Committees/Educational\\_Technology\\_Committee/~media/F974791F3D884B4EA77011A5122AD16F.ashx](http://www.craftonhills.edu/Faculty_and_Staff/Committees/Educational_Technology_Committee/~media/F974791F3D884B4EA77011A5122AD16F.ashx)
- <sup>x</sup> CHC Webpage, Online Teaching. [www.craftonhills.edu/OnlineTeaching](http://www.craftonhills.edu/OnlineTeaching)
- <sup>xi</sup> Crafton Hills College Distance Education Plan, 2016-2020, page 12.  
[http://www.craftonhills.edu/~media/Files/SBCCD/CHC/Faculty%20and%20Staff/CHC\\_Distance\\_Ed\\_Plan\\_1-26-16\\_approved.pdf](http://www.craftonhills.edu/~media/Files/SBCCD/CHC/Faculty%20and%20Staff/CHC_Distance_Ed_Plan_1-26-16_approved.pdf)
- <sup>xii</sup> Academic Senate Minutes January 20, 2016, Old Business, Approval of DE Plan  
[http://www.craftonhills.edu/Faculty\\_and\\_Staff/Academic\\_Senate/~media/89266AC0CDCE451E9EB2BD53D5E799CE.ashx](http://www.craftonhills.edu/Faculty_and_Staff/Academic_Senate/~media/89266AC0CDCE451E9EB2BD53D5E799CE.ashx)
- <sup>xiii</sup> Online Classes Webpage. [www.craftonhills.edu/OnlineClasses](http://www.craftonhills.edu/OnlineClasses)
- <sup>xiv</sup> Admissions and Records Webpage. [www.craftonhills.edu/Admissions](http://www.craftonhills.edu/Admissions)

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- <sup>xv</sup> Counseling/Online Orientation Webpage. [www.craftonhills.edu/Orientation](http://www.craftonhills.edu/Orientation)
- <sup>xvi</sup> SBCCD Board of Trustees Meeting Minutes 5/14/2015, p 238, PrepTalk Contract Approval <http://www.sbccd.org/~media/Files/SBCCD/District/Board/Minutes/2015%20Minutes/5-14-15%20minutes.pdf>
- <sup>xvii</sup> Campus Bookstore Webpage <http://bookstore.craftonhills.edu/>
- <sup>xviii</sup> Library Catalog Search Page, Worldcat <https://sbccdlibs.worldcat.org/>
- <sup>xix</sup> Library Webpage, Contact Information and Hours. [www.craftonhills.edu/Library](http://www.craftonhills.edu/Library)
- <sup>xx</sup> Library Staff [http://www.craftonhills.edu/Current\\_Students/Library/Library\\_Staff](http://www.craftonhills.edu/Current_Students/Library/Library_Staff)
- <sup>xxi</sup> CHC Distance Education Success and Completion Rates from 2010/11 to 2014/15 (Institutional Effectiveness, Research, and Planning.) [http://www.craftonhills.edu/~media/Files/SBCCD/CHC/About%20CHC/Research%20and%20Planning/Research%20Briefs/Instruction/RRN%201166%20CHC\\_DE\\_SucRet\\_1011to1415.pdf](http://www.craftonhills.edu/~media/Files/SBCCD/CHC/About%20CHC/Research%20and%20Planning/Research%20Briefs/Instruction/RRN%201166%20CHC_DE_SucRet_1011to1415.pdf)
- <sup>xxii</sup> SBCCD Board Policy 7120, Recruitment and Hiring, regarding fulfillment of minimum qualifications <http://www.sbccd.org/~media/Files/SBCCD/District/Board/Board%20Policies/7000/BP%207120%20Recruitment%20and%20Hiring%2012-11-14.pdf>
- <sup>xxiii</sup> CHC Catalog, General Education Options <http://craftonhills.smartcatalogiq.com/2015-2016/Catalog/Section-V-What-Are-Your-Options/Associate-Degree-Programs/General-Education-Options>
- <sup>xxiv</sup> CHC Catalog, General Education Outcomes <http://craftonhills.smartcatalogiq.com/en/2015-2016/Catalog/Section-V-What-Are-Your-Options/Associate-Degree-Programs/General-Education-Options/General-Education>
- <sup>xxv</sup> SBCCD Board Policy 4030, Academic Freedom <http://www.sbccd.org/~media/Files/SBCCD/District/Board/Board%20Policies/4000/BP%204030%20Academic%20Freedom%2012-11-14.pdf>
- <sup>xxvi</sup> MOU, SBCCD and CTA Regarding Student Learning Outcomes and Faculty Evaluations <http://www.sbccd.org/~media/Files/SBCCD/District/HR%20%20Documents/Bargaining%20Agreements/CTA/CTA%20Mou%201%2030%202013.pdf>
- <sup>xxvii</sup> Academic Senate Resolution, SLOs, 2010-11 [http://www.craftonhills.edu/Faculty\\_and\\_Staff/Academic\\_Senate/~media/AFAC7A5C3FFB4744A59F38B894F51D89.ashx](http://www.craftonhills.edu/Faculty_and_Staff/Academic_Senate/~media/AFAC7A5C3FFB4744A59F38B894F51D89.ashx)
- <sup>xxviii</sup> Financial Aid Webpage. [www.craftonhills.edu/FinancialAid](http://www.craftonhills.edu/FinancialAid)
- <sup>xxix</sup> Campus Police Webpage [www.craftonhills.edu/Police](http://www.craftonhills.edu/Police)
- <sup>xxx</sup> DSPS Webpage [www.craftonhills.edu/DSPS](http://www.craftonhills.edu/DSPS)

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<sup>xxx</sup><sub>i</sub> EOPS/CARE/CalWORKS Webpage [www.craftonhills.edu/EOPS](http://www.craftonhills.edu/EOPS)

<sup>xxx</sup><sub>ii</sub> Health and Wellness Webpage [www.craftonhills.edu/HealthCenter](http://www.craftonhills.edu/HealthCenter)

<sup>xxx</sup><sub>iii</sub> SBCCD Annual Reports Webpage: Audit, Budget, Futuris, and Reports to the Community.  
[www.sbccd.org/AnnualReports](http://www.sbccd.org/AnnualReports)

<sup>xxx</sup><sub>iv</sub> SBCCD Annual Financial Report, June 30, 2015, for example.  
<http://www.sbccd.org/~media/Files/SBCCD/District/Internal%20Audits/Audit%20Annual%20Report/2014-15%20Audit%20Report%20-%20District.pdf>