

Certificate of Achievement in Architectural Visual Communication

Division: Industry and Technology

This certificate prepares students for entry-level employment in the field of Architectural Visual Communication. Students completing this certificate will acquire knowledge and skills in creating and distinguishing 2D & 3D visual communication drawings (tactile & digital).

PROGRAM OUTCOMES:

Create and distinguish 2D and 3D visual communication drawings (tactile and digital)

EMPLOYMENT OPPORTUNITIES: Upon successful completion of this certificate, students will be prepared for employment in the following fields: Architectural Renderer.

UNITS

1. Required Courses

| | | |
|--------------------------------|--------------------------|-----------|
| A. ARCH020 | Visual Communication 1 | 3 |
| B. ARCH021 | Visual Communication 2 | 3 |
| C. ARCH120 | Freehand Drawing | 3 |
| D. ARCH121 | Perspective Alternatives | 3 |
| Required Courses Units: | | 12 |
| Total Units: | | 12 |

Architecture Department Website: www.cos.edu/architecture

Other related certificates are offered through the Drafting Technology Department.

The Certificate of Achievement requirements include completion of the certificate courses with a "C" or better grade in each course. Required and support courses may be substituted with the approval of the Industry and Technology Division Chair.

Linda Jones

From: Rolando Gonzalez
Sent: Thursday, August 07, 2014 9:59 AM
To: Linda Jones
Subject: Architectural Visual Communication Certificate
Attachments: 2014-15 VTEA Architecture.pdf; image001.png

Linda:

Justification:

According to our Architecture Advisory Committee there is a growing need for qualified entry level (and above) Architecture professionals with this expertise. The College of the Sequoias Industry & Technology Division offers a great deal of degrees and certificates in various fields. However we feel that a Certificate in Architectural Visual Communication is a growing need here in the valley. This need is not currently being met.

VTEA Advisory Committee minutes attached.

Advisory Committee members as follows:

Paul Miller, Architect
The Vernal Group

Danen Gogue, Project Manager
Taylor Teter Partnership

Antonio Avila, Architect
Darden Architects

Thom Black, Architect
678 Architecture

Juan Gonzalez, Architect
Gonzalez Architects

Jeff Berrios, Architect
HMC Architects

Thanks,

“Ro”

Rolando L. Gonzalez, M. Arch.
Professor of Architecture / Architect AIA
Chair, Industry & Technology
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College of the Sequoias-2.0 VTEA Planning Document
2014-15 Funding Period

Program: Architecture

Top Code: 0201.00

| Data Research and Evaluation | |
|------------------------------------|---|
| Core Indicator Reports | Skill Attainment is at District and below State levels. Males are below District and State levels. Single Parents are below District and State levels. Employment for males is below District levels. Participation for males is below District and State levels. Participation for Single Parents is below District and State levels. Completion for males is below District and State levels. |
| Student Success and Retention | Completion % for Fall 2012 and Fall 2013 courses are above 70% except for 2 courses. ARCH10 and ARCH160 are rigorous courses. |
| Certificate and Degree Evaluation | A Not For Transfer AS Degree exists. A For Transfer AS Degree is nearing approval. 7 Certificates are available. |
| Certificate and Degree Completions | Certificate completion is high. Degree completion is low and varies every other year due to some courses not being offered each year. |
| SLO's and Assessments | The courses and program are current with SLO and program outcomes. Since this is an ongoing process the campus dialog days will be used for continual improvement of the program. |
| Program Review Update | The District's new Program Review process will be implemented and improved upon each year. |

| Program Improvements | |
|------------------------------------|---|
| Core Indicator Reports | VTEA funding will be used to recruit more male and single parent students into the program. |
| Student Success and Retention | Completion % at this time are above 70% for all courses except 2. We will continue to monitor these courses and make the instructors aware of the data. |
| Certificate and Degree Evaluation | Following approval of the For Transfer AS Degree faculty will encourage students to apply. |
| Certificate and Degree Completions | The number of degrees needs to be increased. |
| SLO's and Assessments | SLO and Outcome Assessments will continue to be monitored and assessed to implement strategies for continual improvement. |
| Program Review Update | Program improvements from the Program Review process will be incorporated into the VTEA planning process. |

| Allowable Uses of VTEA Funding | |
|---|---|
| Allowable Expenditures | Describe How VTEA Funds Will Be Used |
| 1. Strengthen Academic Skills | To hire a Student Lab Assistant / Tutor for Open Lab. |
| 2. Link Program to Secondary Programs | |
| 3. Provide Strong Experiences For Students | To allow students to enter competitions. |
| 4. Technology | To improve technology through computer software program upgrades. To support technology through essential equipment support supplies and materials. |
| 5. Professional Development | |
| 6. Program Evaluation | |
| 7. Initiate Improve or Expand CTE programs. | |
| 8. Provide CTE programs in regard to size, scope and quality. | |
| 9. Improve Core Indicator levels for Non-Traditional and Special Populations. | |

2014-2015 VTEA Allocation Requests

| | |
|------------------------------|--------------------------|
| Program: Architecture | TOP CODE: 0201.00 |
|------------------------------|--------------------------|

| Item | VTEA Category 1-9 | Units | Price/Each | Total |
|--|----------------------|---|------------|-------------|
| Autodesk AutoCAD/AutoCAD Architecture computer program software | 4 | 100 licenses | \$5,000.00 | \$5,000.00 |
| SketchUp computer program software | 4 | 40 licenses | \$30.00 | \$1,200.00 |
| Cal Poly Design Village Competition | 3 | 3 to 4 Teams | \$5,500.00 | \$5,500.00 |
| American Institute of Architects, San Joaquin Chapter Sandcastle Competition | 3 | 2 Teams | \$1,000.00 | \$2,000.00 |
| Student Lab Assistant / Tutor for Open Lab | 1 | 15 hrs./week x 8.00hr. = 120/week 120/week x 18 weeks = 2,160/semester 2,160/semester x 2 | \$4,320.00 | \$4,320.00 |
| 3D Printer resin and shipping | 4 | 10 | \$1,545.00 | \$1,545.00 |
| | | | | |
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| | | | | |
| | | | | |
| | | | Total: | \$19,565.00 |

**VTEA PROGRAM PLANNING GROUP
ADVISORY COMMITTEE**

| | |
|-----------------------|-------------------|
| Program: Architecture | Top Code: 0201.00 |
|-----------------------|-------------------|

| | |
|---------------|--|
| Meeting Date: | Committee Chair: Thom Black, Architect |
|---------------|--|

| VTEA Planning Committee Members | | |
|---------------------------------|--------------------------|-----------|
| Name | Representing | Signature |
| Thom Black, Architect | 678 Architecture | |
| Paul Miller, Architect | The Vernal Group | |
| Danen Gogue, Project Manager | Taylor Teter Partnership | |
| Antonio Avila, Architect | Darden Architects | |
| Juan Gonzalez, Architect | Gonzalez Architects | |
| Jeff Berrios, Architect | HMC Architects | |
| | | |
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| | | |
| | | |

We certify that the VTEA 1C Planning committee has met and are forwarding our recommendation for VTEA 1C funding for the 2014-2015 academic year.

Planning Chair Signature: _____ Date _____

Program Chair Signature _____ Date _____

Rolando L. Gonzalez, M.
Arch., Professor of
Architecture / Architect AIA

Digitally signed by Rolando L. Gonzalez, M. Arch., Professor of
Architecture / Architect AIA
DN: cn=Rolando L. Gonzalez, M. Arch., Professor of Architecture /
Architect AIA, o=CSO: Texas College Center, ou=Office, Industry &
Technology / Architecture Department, email=rolandg@tcc.edu,
c=US
Date: 2014.04.04 16:35:53 -0700

This form must be completed documenting an advisory committee was held to review the program.

**College of the Sequoias VTEA 1C
LOCAL PLANNING TEAM INVOLVEMENT**

| | |
|-------------------------------------|-------------------------|
| Department/Area Architecture | TOP CODE 0201.00 |
|-------------------------------------|-------------------------|

Perkins IV § 134(b)(5) requires that a group of individuals, comprised of business, industry, labor organizations, special populations, faculty*, guidance and academic counselors, administrators, representatives of tech prep consortia, parents, students, and others to be involved in the development, implementation, and evaluation of CTE programs assisted with Title I, Part C funds. (*The majority of faculty should be representatives of CTE.)

1. Briefly describe the Local Planning Team's involvement in the planning process.

The Department of Architecture utilizes an industry based Advisory Committee to plan, develop, implement, and evaluate program courses, curriculum, certificates, degrees, and funding. The goal is to provide career technical education that is beneficial to industry. The Advisory Committee members are generally licensed architects practicing in the community. They offer valuable insight necessary to ensure programs remain current with industry standards. Throughout the course of the year Advisory Committee members are kept abreast of program developments via meetings, email, telephone calls, critiques, and visitations. The primary contact person for the Advisory Committee is the Department Head / Division Chair. Program recommendations are generally initiated by the Department Head / Division Chair, including funding recommendations.

2. Describe (a) how students, teachers, representatives of business and industry, labor organizations, representatives of special populations, and other interested individuals are involved in the development, implementation, and evaluation of CTE programs funded under this title, and (b) how such individuals and entities are informed about and assisted in understanding the requirements of this title, including CTE programs of study.

In addition to an industry based Advisory Committee, the Department of Architecture utilizes students, faculty, and community members to plan, develop, implement, and evaluate program courses, curriculum, certificates, degrees, and funding. These entities act as sounding boards with each offering a different perspective on the programs. These entities are typically kept abreast of program developments via meetings, email, telephone calls, critiques, and visitations. The primary contact person for these entities is the Department Head / Division Chair. Program recommendations are generally initiated by the Department Head / Chair, including funding recommendations.

Linda Jones

From: Rolando Gonzalez
Sent: Monday, August 04, 2014 2:30 PM
To: Linda Jones
Subject: Architecture Degree - Not for Transfer

Linda:

ARCH AS Degree not for transfer **Labor Market Information** is as follows:

Architects, Except Landscape and Naval
(SOC Code : 17-1011)
in California

Occupational Wages

Area: California
Year: 2011
Period: 1st Qtr
Hourly Mean: \$44.38
Hourly by Percentile
25th: \$31.52
Median: \$40.19
75th: \$50.26

Occupational Projections of Employment (also called "Outlook" or "Demand")

Area: California
Estimated Year - Projected Year: 2008 - 2018
Employment Estimated: 15,400
Employment Projected: 16,600
Employment Change Number: 1,200
Employment Change Percent: 7.8%
Average Annual Opening: 390

Thanks,

"Ro"

Rolando L. Gonzalez, M. Arch.
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Chair, Industry & Technology
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College of the Sequoias
Tulare College Center
4999 E. Bardsley Ave.
Tulare, CA 93274

Narrative Template for Programs – Architectural Visual Communication Certificate of Achievement

The Chancellor's Office requires the following information for all submitted degrees and certificates of achievement. More information is available in the [Program and Course Approval Handbook](#).

| Section Title | Instructions | |
|--|---|--|
| <p>Item 1. Program Goals and Objectives</p> | <p>Goals and objectives must be consistent with California Community College mission: transfer or occupational</p> <p>If a transfer degree, describe how these courses will meet the lower division requirements of a major at a university and list the university(ies) to which students will be able to transfer upon completion of AA/AS degree program.</p> <p>If not-for-transfer degree (CTE), note how the degree meets community needs and focuses on a specific body of knowledge or area of skill.</p> | <p>To provide students with a Certificate in Architectural Visual Communication.</p> |
| <p>Item 2. Catalog Description</p> | <p>Enter EXACTLY as it will appear in the catalog, including program outcomes.</p> | <p>This certificate prepares students for entry-level employment in the field of Architectural Visual Communication. Students completing this certificate will acquire knowledge and skills in creating and distinguishing 2D & 3D visual communication drawings (tactile & digital).</p> <p>PROGRAM OUTCOMES: Create and distinguish 2D and 3D visual communication drawings (tactile and digital).</p> <p>EMPLOYMENT OPPORTUNITIES: Upon successful completion of this certificate, students will be prepared for employment in the following fields: Architectural Renderer.</p> <p>Architecture Department Website: www.cos.edu/architecture</p> |

| | | |
|---|--|---|
| | | <p>Required and support courses may be substituted with approval of the Division Chair.</p> <p>Other related certificates are offered through the Drafting Technology Department.</p> <p>See Item 3 Program Requirements below</p> |
| <p>Item 3. Program Requirements</p> | <p>Display in the table format (see below).</p> | |
| <p>Item 4. Master Planning</p> | <p>Address how the proposed program will fulfill the college's mission, the placement of the proposed program in the district master plan, and how the program is appropriate to the objectives and conditions of higher education and community college education in California.</p> <p>A description of the program purpose, and/or the program's relevancy for the region and college including related community support is appropriate here.</p> <p>The proposal must demonstrate a need for the program that meets the stated goals and objectives in the region the college proposes to serve with the certificate. Furthermore, a proposed new certificate must not cause undue competition with an existing program at another college.</p> | <p>In part the College of the Sequoias mission states, "College of the Sequoias is a comprehensive community college focused on student learning that leads to productive work, lifelong learning, and community involvement..." The college is providing this architectural visual communication training as part of its mission. The new governance model provides a system for accomplishing the college's mission through the Master Planning process which includes a strategic plan, institutional program review, resource allocation, implementation of the planning process, student learning outcome assessments and an annual college report on the master plan.</p> |
| <p>Item 5. Enrollment and Completer Projection</p> | <p>This item should justify the number of projected students or "annual completers" to be awarded the certificate each year after the program is fully established. The justification must include either:</p> <p>(A) enrollment data (student headcount) or</p> <p>(B) a survey of prospective students and completer projections information</p> <p>Enrollment Data Use a table format (sample provided below) to provide final (not census) enrollment data for all required existing courses for the last two years to validate the need for this program in the college service area.</p> <p>Survey In the case of a survey, the survey questionnaire, a description of the population surveyed, and survey results must be</p> | <p>See Item 5 Enrollment Data below.</p> <p>Data based on Fall 2008 / Spring 2009 & Fall 2009 / Spring 2010</p> |

| | | |
|--|---|---|
| | <p>included.</p> <p>if the associate degree program goal selected is "Career Technical Education (CTE)," then the enrollment and completer projections must be compared to the net annual labor demand projection stated in the Labor Market Information and Analysis provided as Supporting Documentation. The data must demonstrate adequate demand for the completer projections.</p> | |
| <p>Item 6. Place of Program in Curriculum/Similar Programs</p> | <p>Address the following:</p> <p>a) Do any active inventory records need to be made inactive or changed in connection with the approval of the proposed program? If yes, please specify.</p> <p>b) Does the program replace any existing program(s) on the college's inventory? Provide relevant details if this program is related to the termination or scaling down of another program(s).</p> <p>c) What related programs are offered by the college?</p> | <p>This new Achievement Certificate in Architectural Visual Communication is one of five existing certificates offered through the Architecture Department of the Industry & Technology Division here at the College of the Sequoias.</p> |
| <p>Item 7. Similar Programs at Other Colleges in Service Area</p> | <p>Describe all similar programs offered by colleges within college service area (West Hills, Reedley, Porterville). A brief description of each program is required. For CTE programs are similar to those at other colleges, provide evidence of collaboration with the faculty from those programs (consultation calls, sharing of ideas, resources, collaboration in designing courses, etc.).</p> | <p>CSU Fresno: None Fresno City College: None Reedley College: None Porterville College: None Bakersfield College: None</p> |

Item 3. Program Requirements

| Requirements (Course blocks) | Course Number | Course Title | Units | CSU-GE Area | IGETC Area | Sequence (if applicable) |
|--------------------------------|---------------|--------------------------|-------|-------------|------------|--------------------------|
| Required Courses (12 units) | ARCH120 | Freehand Drawing | 3 | | | Year 1, Spring |
| | ARCH020 | Visual Communication 1 | 3 | | | Year 2, Fall |
| | ARCH021 | Visual Communication 2 | 3 | | | Year 2, Spring |
| | ARCH121 | Perspective Alternatives | 3 | | | Year 2, Spring |

Item 5. Enrollment Data

| Course Number | Course Title | Year 1 | | Year 2 | |
|---------------|--------------------------|----------------------|-------------------------|----------------------|-------------------------|
| | | Annual # of Sections | Annual Enrollment Total | Annual # of Sections | Annual Enrollment Total |
| ARCH120 | Freehand Drawing | 1 | 30 | | |
| ARCH020 | Visual Communication 1 | | | 1 | 22 |
| ARCH021 | Visual Communication 2 | | | 1 | 14 |
| ARCH121 | Perspective Alternatives | | | 1 | 28 |