

CTE Program Narrative

NAME OF COLLEGE: San Joaquin Delta College

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DATE: 6/27/2016

DIVISION: Health Sciences

FACULTY: Melissa L. Black

PROGRAM NAME: Health Science

REASON FOR APPROVAL REQUEST (Check One):

- New Program Proposal
- Program Revision Proposal (Substantial or TOP Code Changes)
- Locally Approved

TYPE OF DEGREE:

- Certificate of Achievement
- Associate of Arts
- Associate of Science
- Associate of Arts for Transfer
- Associate of Science for Transfer
- Other

TRANSFER APPLICABILITY: Yes No

ATTACHMENTS/INFORMATION REQUIRED:

Labor/Job Market Data and Analysis
Advisory Committee Meeting Minutes
List of Advisory Committee Members

Employer Survey, if applicable

a. Statement of Program Goals and Objectives

Identify the goals and objectives of the program. For CTE programs, the statement must include the main competencies students will have achieved that are required for a specific occupation. The statement must, at a minimum, clearly indicate the specific occupations or fields the program will prepare students to enter and the basic occupational competencies students will acquire.

If the program is selective, describe relevant entry criteria and the selection process for admission to the program. Specify all mandatory fees that students will incur for the program aside from the ordinary course enrollment fee.

The Associate of Science Degree in Health Science is designed to provide students with lower division level course work necessary for qualifying for employment, career upward-mobility, and transfer into other advanced health care programs.

Program goals:

The Associate of Science Degree in Health Science seeks to broaden educational and career opportunities for graduates by increasing their general education in addition to equipping them with a broad knowledge base for the major elements in the health sciences. This program provides students with a foundation of medical knowledge and health care industry insight which prepares them for employment in a rapidly growing job sector. The broad range of health related studies prepares for entry level jobs within the health care industry. Students interested in pursuing advanced degrees in the broad health sciences will find that the Associate of Science in Health Science program provides the foundation upon which to transfer to four year degrees in public health, community health, health care administration, or occupational health and safety degree programs. This program will provide the opportunity to obtain an Associate of Science Degree for those health care professionals who may have certifications or licenses in fields for which no specific degree is offered.

Program objectives:

The Associate of Science Degree in Health Science offers general education courses in addition to a focus on a broad range of health related studies and the sciences. This program covers some of the basic educational requirements for nursing, medical school, healthcare administration, public health, and many other advanced studies. This program will provide the student with a foundation of knowledge, critical thinking skills, and practical skills that are necessary in health care.

b. Catalog Description

Enter exactly as it will appear in the catalog, including program outcomes. The description must also

- *Convey the certificate's goals(s) and objectives*
- *Provide an overview of the knowledge and skills that students who complete the requirements must demonstrate (student learning outcomes)*
- *List all prerequisite skills or enrollment limitations*
- *Mention any risks, such as occupations that are inherently competitive or low-salaried and/or*

occupational areas where inexperienced graduates are not generally hired.

- For CTE programs, the description must list the potential careers students may enter upon completion.
- Convey what the student may expect as an outcome

If applicable, reference accrediting and/or licensing standards. If there is a widely recognized certification provided by a professional association, specify whether the program will fully prepare completers for the recognized professional certification.

The Associate of Science degree in Health Science provides students with a broad understanding of health related studies, health care systems, and health issues in a multicultural society. The degree also provides the student with a basic understanding of health-related studies, prepares students to work at many entry levels within the health care industry, and provides a foundation for public health, community health, health care administration, or occupational health and safety programs.

Program Learning Outcomes

1. As a result of earning an AS degree in Health Science students will demonstrate critical thinking skills and the use of the scientific method.
2. As a result of earning an AS degree in Health Science, students will utilize and integrate knowledge from multiple disciplines to solve health problems.
3. As a result of earning an AS degree in Health Science, students will demonstrate basic understanding of health science research, health care systems, and health issues.

3. Program Requirements

The program requirements must be consistent with the catalog description. The number of units, specific course requirements and the sequence of the courses must be coherent, complete and appropriate. Display the program requirements in a table format that includes all courses required for completion of the program (core requirements and required or restricted electives), subtotal of core units, and total program units. For each course, indicate the course department number, course title, and unit value.

Display of Program Requirements

Requirements	Dept. Name/#	Name	Units	AA-GE	Sequence
Required Core (15 units)	BIOL 031	Human Anatomy	4	Area 2	Year 1, Fall
	BIOL 032	Human Physiology	5	Area 2	Year 1, Spring
	CS 011	Fundamentals of Computer Science	3	Area 6	Year 1, Spring
	HS 036	Medical Terminology and Speech	3		Year 1, Fall
Restricted Electives	Math 012	Introduction to Probability and Statistics	4	Area 1B	Year 1, Fall

Area A Complete 4 – 5 units selected from:	Math 092G	Intermediate Algebra	4	Area 1B	Year 1, Fall
	Math 92S	Intermediate Algebra (STEM)	5	Area 1B	Year 1, Fall
Area B Complete 6 units selected from:	ECON 001A	Principles of Macroeconomics	3	Area 5	Year 1 or 2, Fall or Spring
	HS 019/FCS 019	Human Development	3	Area 5	Year 1 or 2, Fall or Spring
	POLSC 001	American Government and Institutions	3	Area 4	Year 1 or 2, Fall or Spring
	PSYCH 001	Introduction to Psychology	3	Area 5	Year 1 or 2, Fall or Spring
	SOCIO 001A	Introduction to Sociology	3	Area 5	Year 1 or 2, Fall or Spring

	Minimum	Maximum
Required Major Total	25	26
Completion of Local AA-GE pattern	24	24
Double Count Units	(15)	(15)
Electives as needed to reach the minimum 60-unit requirement*	26	25
Total Units for the Degree	60	60

**May be concentrated in certificated programs such as Radiological Technology, Speech Language Pathology Assistant, Psychiatric Technician, and Nursing*

Proposed Sequence:

Year 1, Fall = 15

Year 1, Spring = 15 units

Year 2, Fall = 15 units

Year 2, Spring = 15 units

TOTAL UNITS: 60 units

4. Master Planning (Background and Rationale)

Given the stated goals and objectives, address the role the proposed program will fulfill in the college’s mission and curriculum offerings. This discussion may include some history of the program proposal origins, a description of the program purpose, and/or the program’s relevancy for the region and college.

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. A proposed new certificate must not cause undue competition with an existing program at another college.

If any expenditures for facilities, equipment or library and learning resources are planned, please explain the specific needs in this section.

If the program is to be offered in close cooperation with one or more specific employers, a discussion of the relationship must be provided.

An Associate of Science Degree in Health Science prepares students to meet the rapidly growing and changing demands of the health care industry. This broad range of health related studies prepares students to work at many entry levels within the health care industry. As the local population expands and life expectancies increase, there will be a greater demand for workers in the health science and health care professions. According to the U.S. Bureau of Labor Statistics, Health Science jobs are among the fastest growing in the country (www.bls.gov). This degree also prepares a graduate for access to higher level degrees and specialized areas of focus.

5. Need for Program

a. Enrollment and Completer Projections

Address and justify the number of projected students or “annual completers” to be awarded the certificate each year after the program is fully established.

		2013-2014		2014-2015	
CB01: Course Department Number	CB02: Course Title	Annual # Sections	Annual Enrollment Total	Annual # Sections	Annual Enrollment Total
BIOL 031	Human Anatomy	27	818	36	963
BIOL 032	Human Physiology	19	348	16	362
CS 011	Fundamentals of Computer Science	34	1609	21	1232
HS 036	Medical Terminology and Speech	15	1372	15	1147
Math 012	Introduction to Probability and Statistics	38	1888	34	1878

Math 092G	Intermediate Algebra	56	3151	34	2060
Math 92S	Intermediate Algebra (STEM)			18	926
ECON 001A	Principles of Macroeconomics	14	486	15	580
HS 019/FCS 019	Human Development	27	1120	23	785
POLSC 001	American Government and Institutions	50	2925	51	3157
PSYCH 001	Introduction to Psychology	68	4003	73	4046
SOCIO 001A	Introduction to Sociology	32	1908	35	1962

Data Source: Office of Planning, Research, and Institutional Effectiveness, Data retrieved from SJDC System 2020

Annual Completers – Projected: 40

b. Labor Market Information (LMI)

Summarize the Labor Market Information (LMI) and employment outlook (Including citation for the source of the data) for students exiting the program.

Enter table or chart as a separate attachment.

See Supporting Documentation below

c. Employer Survey (if applicable)

When strong LMI data is not available, an employer survey may be submitted. Provide a copy of the survey, including the number of those surveyed, number of responses, and a summary of the results. The survey must address the extent to which the proposed degree or certificate will be valued by employers.

Not applicable

6. Place of Program in Curriculum/Similar Programs

Review the college's existing program inventory, then address the following questions:

- Do any active inventory records need to be made inactive or changed in connection with the approval or the proposed program? If yes, please specify.
- 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).
- What related programs are offered by the college?

Currently at San Joaquin Delta College there are certification programs in which students complete numerous courses and units in which no degree is offered. The Associate Degree in Health Science will provide those students who have completed numerous courses within the health sciences to receive a degree. This degree will assist the student to obtain an entry level position in the area of health science or within the health care industry. In addition, it offers economic advantages for those students desiring a higher degree of completion within the field of Health Science.

- a. No records need to be updated in the inventory.
- b. The Rad Tech AS degree has been deactivated and will be replaced by this degree that will benefit additional health science majors.
- c. The College has reactivated the Certificated of Achievement for Rad Tech students who will not seek a degree.

7. Similar Programs at Other Colleges in Service Area

List similar programs offered at other colleges within the Central/Mother Lode Region that may be adversely impacted. Enter 'none' if there are no similar programs.

College	Program
None	

While there are several Associate Degree in Nursing Programs, there are no public institutions that offer a two year degree in Health Sciences in the Service Area.

Supporting documentation required

Labor Market Information

In a separate attachment, provide current Labor Market Information showing that jobs are available for program completers within the local service area. Statewide or national LMI may be included as supplementary support but evidence of need in the specific college service area or region is also necessary.

LMI Analysis:

As evidenced by the data below, the demand for Health Care workers in the County will continue to increase at a high rate. Opportunities for job placement and career advancement will be enhanced by the completion of the Health Science, Associate in Science degree. The recommendation of the Health Science Advisory Committee and the hiring practices of local and regional employers highlight the need for skilled workers who also have broad critical thinking and analysis skills. Many employers today require completion of a degree for applicants to advance in the hiring process.

LMI Data

Area	Code	Occupation	Est Yr - Proj Yr	Total Annual Openings
San Joaquin County	211094	Community Health Workers*	2012 - 2022	19
San Joaquin County	290000	Healthcare Practitioners and Technical Occupations	2012 - 2022	542
San Joaquin County	292000	Health Technologists and Technicians	2012 - 2022	212
San Joaquin County	292034	Radiologic Technologists	2012 - 2022	10
San Joaquin County	292099	Health Technologists and Technicians, All Other	2012 - 2022	17
San Joaquin County	310000	Healthcare Support Occupations	2012 - 2022	288
San Joaquin County	319099	Healthcare Support Workers, All Other	2012 - 2022	3

Source : CA Employment Development Department <http://www.labormarketinfo.edd.ca.gov/>

List of Members of Health Science Advisory Committee

This list must include advisory committee member names, job titles, and affiliations.

	Title	Organization
Jeffrey Abel	Nursing Services	CHCF
Raymond Abelido	Nursing Education	Crestwood Manor
Rosa Aguilar	Emergency Dept Clinical Educator	San Joaquin General Hospital
Nikki Allen	PC Care Executive	Sutter Amador Hospital
Jackie Bagatta	Deputy Director of Nursing	San Joaquin General Hospital
Erlinda Balor	Chief Nursing Officer	San Joaquin General Hospital
Michele Bava	Dir of Human Resources & Education	Doctors Hospital Manteca
Roger Bernaldez	DSD	Windsor Hampton Care Center
Susie Blair	Clinical Educator	Doctor's Hospital of Manteca
Michelle Bolin	Public Information Officer	CHCF
Barbara Brown	Director	Redwood School
Dan Burch	EMS Administrator	Emergency Medical Services
Michael Carroll	Program Director	Central Valley Training Center
Carol Castro	Nurse Manager, Maternal-Child	Dameron Hospital
Rae Charos	Vice President, Nursing Executive	St. Joseph's Medical Center
Deborah Cline	Director of Education	Mark Twain, St. Joseph's Hospital
Sherry Coburn	RN, EDD	San Joaquin County Office of Education
Nancy Cook	Director, Child Development Center	San Joaquin Delta College
Melissa Cuevas	CNO	Mark Twain, St. Joseph's Hospital
Gay Dail	Director of Emergency Dept.	San Joaquin General
Cathy Daly	Chief Nursing Officer	Doctors Hospital Manteca
Brian Duffy	Warden	CHCF
Cara Dunn	Director	San Joaquin County Adult Activity Center
Norman Franklin	Manager, Workforce Development, #3701	CDCR
Vicki Gallegos	DON	Kaiser Permanente Medical Facility
James Garrett	Deputy Director	SJC Mental Health Services Psychiatric Emergency Services
Jarita Givens		CHCF
Pidge Gooch	Chief Nursing Officer	Kaiser Hospital
Kathy Hannan	Facility Manager	SJC Mental Health Services Psychiatric Emergency Services
Janine Hawkins	Chief Nurse Executive	Dameron Hospital
Candace Hayashi	Director of Nursing	Crestwood Manor Behavioral Health
Philip Henry	Program Director	Central Valley Training Center
Kristine Herd	AM Shift Nursing Supervisor	St. Joseph's Behavioral Health Center
Tiffany Glenn	SNA President	San Joaquin Delta College
Gerry Hinayon	Assistant Director/Instructor	San Joaquin Delta College
Shirley Hollowell	Nurse Manager	SJC Mental Health Services
Norma Hurick	DSD	Wagner Heights Nursing & Rehab

Linda Jeffers	Human Resources Director	United Cerebral Palsy
Feliciano Jiaron	President	Mark Twain, St. Joseph's Hospital
John Job	Program Director, Rad Tech	San Joaquin General Hospital
Marie Johnson	Nursing Education	Crestwood Manor
Sukhie Kaur	Clinical Informatics Educator	Kaiser Modesto
Julie Kay	Dean, Health Sciences	San Joaquin Delta College
Lorie Kent	RN	Walton Special Center
Susan Kidwell	SLPA Program Director	San Joaquin Delta College
Ken Lim		Creekside Convalescent Home
Benny Lucas	Chief Nurse Executive	St. Joseph's Behavioral Health Center
Lisa Lucchesi	Acting Director of Health Sciences	San Joaquin Delta College
Debbe Moreno	CNO	Lodi Memorial Hospital
Shelia Motsinger	DSD	Valley Gardens Health Care & Rehab. Ctr.
Pamela Muckenfuss	Counselor	San Joaquin Delta College
Gillian Murphy	Division Dean, Applied Science, Business & Tech.	San Joaquin Delta College
Ms. Delecia J. Nunnally	Dean, Counseling & Special Services	San Joaquin Delta College
Ashley Nyberg		CHCF
Erika Patton		CDCR
Kim Petersen		CDCR
Samantha Phillips	ACS Administrator	San Joaquin General Hospital
Evette Quiroz	Administrative Director, Radiology	San Joaquin General Hospital
Kathy Ruble	Coordinator, School to Career/ROP	Manteca Unified School District
John Schaeffer	Psych Tech Assistant Director	San Joaquin Delta College
Donna Schulz	Director of Education	Lodi Memorial Hospital
Marla Scott	Patient Relations/Service Excellent Coordinator	Dameron Hospital
Vic Singh	Director of Mental Health Services	SJC Mental Health Services
Danita Small	Manager, Clinical Education	Dameron Hospital
Linda Sobchishin	Clinical Education Practice and Informatics	Kaiser Modesto
Mary Ann Soria	Director of Health Services	St. Marys Dining Room
	Director of Nursing	Wagner Heights Nursing & Rehab
Tish Suliven	Nurse Recruiter	St. Joseph's Medical Center
Kim Tomasi	Deputy Director of Nursing	San Joaquin General Hospital
Nicole Turck	Chief Nurse Executive	Sutter Tracy Community Hospital
Ester Valeros	Nursing Education	Crestwood Manor
Salvador Vargas	Dean, Career Technical Education	San Joaquin Delta College
Roxan Vincent	Director of Nursing	Vienna Convalescent Hospital
Don Wiley	President	St. Joseph's Medical Center

Recommendation of Rad Tech Advisory Sub-Committee (Meeting Minutes)

In a separate attachment, provide minutes of the advisory committee meetings at which the program was discussed and approved, with relevant areas highlighted, as well as a summary of the advisory committee recommendations.

The Health Science Advisory Committee is comprised of several sub-committees. Although the entire committee meets periodically and has been discussing the need for the Health Science degree over the last two years, please see the minutes below for the Rad Tech subcommittee that **include the motion** to approved the degree.

San Joaquin Delta College
Health Sciences Division
SJGH Rad Tech Program

September 18, 2015
1030-1200
Recorder: Gerry Hinayon

Attendees: Dean Julie Kay, Director John Job,
Faculty: Melissa Black, Jerrold Camara, Gerry Hinayon, Allison Perietti
SJGH Administration: Evette Quiroz

College Mission Statement (BP 1200)

The mission of San Joaquin Delta College is to provide excellent post-secondary education that serves the needs of students, the College District and the community through continuing, transfer, career and technical education, and economic development. To achieve this objective, the faculty and staff are committed to providing comprehensive instructional programs, student services and public services that are high quality.

In fulfilling its mission, San Joaquin Delta College acts upon the following principles:

- Commitment to excellence requires effective collaboration, respect for cultural diversity, appreciation of historical perspective, open communication, high academic standards, a vital connection to the arts and cultures of the community, and competitive athletics.
- Student success and equity are founded on a well-coordinated and institutionally-integrated developmental education program.
- Educational resources are available to all students regardless of age, disability, gender, or ethnicity.
- Institutional renewal must include continuous improvement through new and revised curricula; the use of student learning outcomes to enhance student performance; new and effective technologies; and ongoing faculty and staff professional development.
- All aspects of the College encourage good citizenship, responsible leadership, ethical behavior, and the appreciation of lifelong learning.

Minutes

I. Certificate/HS Associate Degree

a. AS Health Science Degree – Discussion: all attendees were in agreement that the proposed curriculum sequence change to the Rad Tech program would be beneficial to the students. Charles Jennings presented how the curriculum would look in graph form for the students. By creating a Health Science AS Degree that allows for the beginning RAD courses (26 units) as electives to meet the degree requirement and a RAD certificate program consisting of the remaining 55 units of RAD Tech units. This will potentially meet the unit requirement for an AS Degree and satisfy the parameters for students to qualify for financial aid.

b. Approval: The motion to recommend that an AS Degree in Health Sciences be created by SJDC was unanimously approved.

c. Approval: The motion to recommend that a RAD Tech Certificate be created by SJDC was unanimously approved.

II. Course Outlines:

John and Jerrold worked on updating the RAD tech courses outlines in coordination with Gerry Hinayon and Allison Pieretti to be able to update the RAD Tech curriculum in the Curricunet program.

San Joaquin Delta College

Minutes

III. B.S. Radiologic Science Articulation with California State University (CSU) Northridge:

We have decided not to renew the articulation agreement with CSU Northridge because there are no students who move on to get their Bachelor's in Rad Science at this CSU. John & Jerrold mentioned that the students would rather take other B.S. degrees because Northridge is too far away South and that most of the grads are employed in the area.

IV. Degree Requirement before taking the Rad Tech licensing exam:

All students applying for RadTech licensing exam are required to have a degree. Majority of students who are accepted to the RadTech program already have a degree upon admission to the program. Gerry will coordinate with the Dean of Health Sciences for data on current Radtech students with degrees. Melissa Black is currently working on the recommended A.S. in Health Science degree for future students who may need to finish a degree before they sit for the RAD Tech licensing exam.

1200 Meeting adjourned. Gerry, Allison and Melissa will continue to collaborate with John Job and Jerrold to update curriculum and move the AS degree forward.