



Missouri Department of Higher Education

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NEW PROGRAM PROPOSAL FORM

Sponsoring Institution(s): Three Rivers Community College

Program Title: Pre-Dental Hygiene

Degree/Certificate: One year Certificate in Pre Dental Hygiene

Options: Click here to enter text.

Delivery Site(s): Poplar Bluff – main campus, Malden, Sikeston, Kennett, Dexter

CIP Classification: 51.1199 (Please provide a CIP code)

Implementation Date: Fall 2015

Cooperative Partners: Missouri Southern State University

AUTHORIZATION:

Dr Wesley A. Payne, President/VPL

Name/Title of Institutional Officer

Signature

3/3/15

Date

Dr. Wesley A. Payne

Vice President for Learning/President

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Person to Contact for More Information

Telephone

SUMMARY OF NEED

A. Student Demand

A program of study for students interested in Dental Hygiene is available in this area through Missouri Southern State University (MSSU). There is a need for these students to complete the prerequisites for the Dental Hygiene program. A one-year certificate in pre-Dental Hygiene, if offered by Three Rivers College (TRC), would allow students to complete all of MSSU's prerequisite requirements locally. After completion of this certificate, students would apply to MSSU's Dental Hygiene program. MSSU offers their Dental Hygiene program, where each fall a class of 50 students (30 in Joplin, 10 in Rolla, MO and 10 in Sikeston, MO) will begin the two-year program.

Discussions between MSSU and TRC faculty and administration identified the need for this certificate, as it would meet the student's needs and allow them to complete the prerequisites locally. The courses in the certificate would transfer to MSSU and allow students to meet that institution's requirements. It would aid MSSU as they recruit local students to their Dental Hygiene program.

The assessment of Three Rivers Community College faculty indicated there is a need for this certificate option for students interested in a dental hygiene career. The demand in dental hygiene is expected to grow as people become more aware of the need to maintain the health of their teeth.

The enrollment for the first five years of the program for full- and part-time students is estimated as follows:

Year 1	2015-2016	5
Year 2	2016-2017	8
Year 3	2017-2018	10
Year 4	2018-2019	12
Year 5	2019-2020	15

The size and scope of the program will initially be limited due to availability of funds for advertising and marketing of a new program. For enrollment projections, see FORM SE attached.

B. Market Demand

Needs analysis was conducted by evaluating the options currently available in our service area for our students in dental hygiene. A certificate in pre-Dental Hygiene, which includes all the prerequisites, is desirable so that students can prepare to apply to the Dental Hygiene program offered by MSSU. There are jobs in Missouri and our service area for dental hygienists.

The Occupational Outlook Handbook published by the Bureau of Labor Statistics (BLS) under the Department of Labor indicates that the job outlook for dental hygienists is expected to increase by 33% between 2010 and 2022 which is much faster than the average for all occupations. According to BSL, this particular field is expected to grow faster than the average as dentists hire more hygienists to

perform routine dental care, allowing the dentist to see more patients. In addition, as the large baby-boom population ages and people keep more of their original teeth than previous generations did, the need to maintain and treat these teeth will continue to drive demand for dental care. Federal health legislation is expected to expand the number of patients who have access to health insurance. People with new or expanded dental insurance coverage will be more likely to visit a dentist than in the past. As a result, the demand for all dental services, including those performed by hygienists, will increase.

The Missouri Department of Economic Development shows that in 2013 there were 2,820 dental hygienists in Missouri, with a mean annual salary of \$70,248. Based on BLS's growth rate of 33% there will be an increased need for about 931 dental hygienists in Missouri between 2010 and 2022, not taking into account retirement and relocation.

Societal Needs

This certificate provides an affordable option to prepare for the dental hygiene program and would result in a future employment option for residents of the service area. The tuition for a certificate at Three Rivers Community College is relatively inexpensive and provides considerable monetary savings to students wishing to complete the first year of coursework in the area prior to application to Missouri Southern State University's Dental Hygiene program. In addition, the program provides citizens with the means of pursuing a degree in a field that provides a service to the community and allows for a better standard of living for their families.

After evaluating the potential future growth of dental industry and the expected future need for dental hygienists, it was determined that there is a demand for training of future dental hygienists in our service area.

C. Methodology for Identification of Market and Societal Need

Market demand and societal information was obtained from a variety of sources. Specific sources include, but are not limited to the following:

- Internet research on labor statistics in 2015:
 - ✓ Bureau for Labor Statistics
 - ✓ Missouri Department of Economic Development
- Needs assessment conducted by Three Rivers Community College staff (2015)

DUPLICATION AND COLLABORATION

There is no one-year certificate similar to this one offered by other community colleges within our service area. Therefore, there is no duplication of effort with any other community college.

This one-year certificate is designed to be offered at Three Rivers College. The certificate is designed so that students can complete one year at Three Rivers Community College, and transfer to Missouri Southern State University's Dental Hygiene program.



STUDENT ENROLLMENT PROJECTIONS

Year	1	2	3	4	5
Full Time	3	5	6	7	9
Part Time	2	3	4	5	6
Total	5	8	10	12	15

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Form SE - Student Enrollment Projections



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PROGRAM STRUCTURE

A. Total credits required for graduation: Certificate in Pre-Dental Hygiene 31 Credit hours

B. Residency requirements, if any: 15 Credit hours must be completed at Three Rivers Community College

C. General education: Total credits: 19

Courses (specific courses OR distribution area and credits):

Table with 3 columns: Course Name, Credits, Course Name, Credits, Course Name, Credits. Rows include ENGL 111 (3 cr), MATH 163 (3 cr), IST 100 (3 cr), SCOM 110 (3 cr), CHEM 121 (5 cr), HPER 110 (2 cr).

D. Major requirements: Total credits: 12

Table with 3 columns: Course Name, Credits, Course Name, Credits, Course Name, Credits. Rows include BIOL 231 (4 cr), BIOL 232 (4 cr), BIOL 253 (4 cr).

E. Free elective credits: none (Sum of C, D, and E should equal A.)

F. Requirements for thesis, internship or other capstone experience:

None

G. Any unique features such as interdepartmental cooperation:

The One-year certificate in Pre-Dental Hygiene is designed to meet the prerequisite requirements of Missouri Southern State University's Dental Hygiene degree.



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PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name Three Rivers Community College
Program Name One-year certificate in Pre-Dental Hygiene
Date February 2, 2015

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.
No special preparation will be required.
- Characteristics of a specific population to be served, if applicable.
No special preparation will be required. It is the policy of Three Rivers Community college to maintain and promote educational opportunity without regard to race, color, sex, age, religion, national origin, marital status, disability, veteran's status or other non-merit factors. All populations will be served.

Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.
Normal faculty requirements that exist for those teaching in other transfer education programs will be required. Three Rivers will select instructors based on a combination of education and work experience in the respective fields of study where adjunct faculty is used. Adjunct faculty must meet the same academic and professional requirements for teaching a given course as would be required of full-time faculty who teach the same course on campus.
- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.
It is anticipated that 50% of the program credit hours will be assigned to full-time faculty.
- Expectations for professional activities, special student contact, teaching/learning innovation.
The faculty will be expected to use various technologies such as Smart boards, Vernier laboratory data system, internet-based and interactive television (ITV) delivery methods.

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Enrollment Projections

- Student FTE majoring in program by the end of five years.
It is anticipated to have 15 students majoring in the program by the end of five years.
- Percent of full time and part time enrollment by the end of five years.
Full-time 50%
Part-time 50%

Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.
It is anticipated to have ten students complete the certificate at the end of three years and fifteen at the end of five years.
- Special skills specific to the program.
None
- Proportion of students who will achieve licensing, certification, or registration.
None
- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.
None is required.
- Placement rates in related fields, in other fields, unemployed.
It is anticipated that 95% of those who complete the certificate and Missouri Southern State University's Dental Hygiene program will be employed in the field.
- Transfer rates, continuous study.
It is anticipated that 80% of students who complete the certificate will be accepted into Missouri Southern State University's Dental Hygiene program.

Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide reasons.
There are no state-level accreditations applicable for this certificate.

Alumni and Employer Survey

- Expected satisfaction rates for alumni, including timing and method of surveys.

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The college conducts a follow-up survey of graduates 180 days after graduation via the placement office. It is estimated that 75% of the students surveyed will indicate that they are satisfied with the program and feel that they are prepared to the Dental Hygiene program at Missouri Southern State University.

- Expected satisfaction rates for employers, including timing and method of surveys. Employers will be contacted, by phone and/or written survey, as graduates complete the program and begin implementing their new skills in the workplace. It is anticipated that 90% of the businesses employing the graduates will be satisfied with the technical skill demonstrated by the graduates.

Program Title: Certificate in Pre-Dental Hygiene

Degree Type: One Year Certificate

Contact: Dr. Mairead Ryan-Anderson

Purpose: The certificate in Pre-Dental Hygiene requires the courses needed to prepare the student for Missouri Southern State University's Dental Hygiene Program

FIRST YEAR

Fall Semester			Hours	
ENGL	111	College Writing	3	
BIOL	231	Anatomy and Physiology	4	
MATH	163	College Algebra*	3	
SCOM	110	Public Speaking	3	
IST	100	Computer Applications	3	
		TOTAL HOURS	16	

Spring Semester			Hours	
BIOL	232	Anatomy and Physiology II	4	
BIOL	253	Microbiology	4	
CHEN	121	General Chemistry I	5	
HPER	110	Lifetime Wellness	2	
		TOTAL HOURS	15	

*MATH 153 Intermediate Algebra and CHEM 111 Introduction to Chemistry may be substituted in for the MATH 163 requirement.

**Missouri Southern State University requires that applicants to their Dental Hygiene program earn a grade of "C" or higher in each of the courses, with an overall GPA of 2.75.