

New Program Code **Modify Program Code**

Date: 7/20/2018

REQUESTOR CONTACT INFORMATION

Name Stuart Lau Campus MANOA
 Title Registrar Email stuartl@hawaii.edu
 Office/Dept Office of the Registrar Phone 956-5322

NEW PROGRAM CODE TO CREATE

Institution MANOA Campus MANOA
 Level UG - Undergraduate Effective Term Fall 2018

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) <u>36</u>	<u>Schl of Nursing&Dental Hygiene</u>	<input type="checkbox"/> See Banner form STVCOLL
Department	(4) <u>DH</u>	<u>Dental Hygiene</u>	<input type="checkbox"/> See Banner form STVDEPT
Degree/Certificate	(6) <u>APCERT</u>	<u>Adv Professional Certificate</u>	<input checked="" type="checkbox"/> See Banner form STVDEGC
Major	(4) <u>DHPO DH</u>	<u>Dental Hygiene Pediatric Care</u> <i>Dental Hygiene</i>	<input checked="" type="checkbox"/> See Banner form STVMAJR
Concentration	(4) <u> </u>		<input type="checkbox"/> See Banner form STVMAJR
Minor	(4) <u> </u>		<input type="checkbox"/> See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: _____

Justification to warrant a new major/concentration code similar to an existing major/concentration code: _____

Is this major/concentration code being used the same way at the other UH campuses? Yes No
 Should this program be available for applicants to select as their planned course of study on the online application? *If yes, student may select the code as their only program of study.* Yes No

RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION

Is 50% or greater of the classes in this program offered at a location other than the Home Campus? Yes No
 Is this program/major/certificate financial aid eligible? Yes No
 Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate program)? Yes No

See <http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html>

Program Length

In academic years; decimals are acceptable. The length of the program should match what is published by the campus in any online and/or written publication.

1 year

Special Program Designations

See *Special Program Designations Code Definitions on IRAO Program Code Request webpage*

A B N P T U

Required Terms of Enrollment: Fall Spring Summer Extended

IRAO USE ONLY: DATE RECEIVED

ADDITIONAL COMMENTS

Credential level should be 01 (Undergraduate certificate or diploma program)

ATTACHMENTS

BOR Approved: Sole-credential Certificates, Associate (excluding ATS), Bachelor and Graduate Degrees, and sole credential certificates

- BOR Meeting Minutes & Supporting Documents Curriculum

Chancellor Approved: Concentrations, Certificates and Associate in Technical Studies (ATS) Degree

- Memo from Chancellor to notify Vice President for Academic Planning and Policy regarding program action.
 Curriculum

CERTIFICATES ONLY: Please check one (1) statement. This certificate is a...

- BOR approved certificate. BOR Meeting/Approval Date: _____
 Chancellor approved within an authorized BOR program. BOR Program: _____
 Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.

VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.

Registrar
(Print Name)

Stuart Lau



Signature

4/20/18

Date

Financial Aid Officer
(Print Name)

Jodie Kuba



Signature

1/26/18

Date

For Community Colleges,
verification of consultation with
OVPCC Academic Affairs:

Suzette Robinson



Signature

Date



Presented to the Mānoa Faculty Senate by the Committee on Academic Policy and Planning for a full vote on Wednesday, February 21, 2018, a resolution recommending the approval of the proposal for an advanced professional certificate for expanded function dental hygiene in pediatrics (EFDH). Approved by the Mānoa Faculty Senate on February 21, 2018 with 36 votes in support of approval; 1 against approval; and 3 abstentions.

RESOLUTION RECOMMENDING THE APPROVAL OF THE PROPOSAL FOR AN ADVANCED PROFESSIONAL CERTIFICATE FOR EXPANDED FUNCTION DENTAL HYGIENE IN PEDIATRICS (EFDH)

WHEREAS, the State of Hawai'i Department of Health 2016 Hawai'i Smiles report, based on oral health surveillance of third graders in 2015, revealed that more than 7 out of 10 (71%) experienced visible tooth decay, with 22% of them having untreated decay; and

WHEREAS, dental hygienists can impact the oral health as well as overall health of children; and

WHEREAS, the purpose of the proposed Advanced Professional Certificate in Expanded Function Dental Hygiene (EFDH) is to provide specialized education in pediatric oral health promotion and disease prevention for dental hygienists; and

WHEREAS, such a Professional Certificate will increase access to oral health services for children, especially those ages 0-5 years; and

WHEREAS, this builds upon the knowledge and clinical experiences of graduates of the University of Hawai'i at Mānoa (UHM) Dental Hygiene Bachelor of Science (BS) Program and Registered Dental Hygienists (RDH) in the State of Hawai'i; and

WHEREAS, this program has received five years of funding (2017-2022) from the Health Resources Services Administration (HRSA) Workforce Development program of the U.S. Department of Health and Human Services, for the development and implementation of pediatric-focused curricula for dental hygienists to receive enhanced education to meet the oral health needs of children; and

WHEREAS, an essential element of the grant is a sustainability plan that focuses on strategies for the continuation of the program once the grant cycle has ended; therefore,

BE IT RESOLVED, that the Mānoa Faculty Senate recommends approval of the proposal to establish an Advanced Professional Certificate in Expanded Function Dental Hygiene (EFDH).

Supporting document:

Proposal for an Advanced Professional Certificate for Expanded Function Dental Hygiene in Pediatrics (EFDH)

Advanced Professional Certificate , Expanded Function Dental Hygiene in Pediatrics

1 message

Stuart Lau <stuartl@hawaii.edu>

Tue, Jul 17, 2018 at 10:28 AM

To: "Wendy L. Pearson" <pearsonw@hawaii.edu>

Hi Wendy,

Based on our previous discussion regarding the new program in Dental Hygiene, I have put together the following list of questions that need to be answered in order to have a new set of codes created in Banner. This would allow the certificate to be managed in a manner similar to the PCERTs in education rather than the academic subject certificates. For students who have already completed a bachelors degree, they would apply for the program rather than as an Unclassified student.

Degree to be awarded: Advanced Professional Certificate

- Need to shorten to 30 characters (currently 3 characters over)
- Need 6 character abbreviation

Note: Will print as a degree on the transcript, similar to the PCERTs in education

Major: Expanded Function Dental Hygiene in Pediatrics

- Need to shorten to 30 characters
- Need 4 character abbreviation

Question: Can current major "Dental Hygiene" be used?

Credential Level (select one of the following):

- 01: Undergraduate certificate or diploma program
- 04: Post Baccalaureate Certificate
- 08: Graduate/professional certificate
- 99: Non-credential programs

Program Length: 1 year (semesters at 8 credits)

Credits Required: 16

Student level (for tuition assessment and enrollment status reporting, select one of the following)

- UG: Undergraduate
- GR: Graduate

Note: If classified an an undergraduate program, students taking 8 credits per semester will be considered half time.

Financial Aid will determine if program is aid eligible

Please review and let me know how these students should be coded.

Thanks,
Stuart

Stuart Lau
University Registrar
Office of the Registrar
University of Hawaii at Manoa
Ph: 808 956-8010

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Fwd: Advanced Certificate in Expanded Function Dental Hygiene

1 message

Wendy Pearson <pearsonw@hawaii.edu>
To: stuartl@hawaii.edu

Thu, Jul 19, 2018 at 6:13 PM

Forwarding

- Wendy Pearson

Sent from my iPhone

Begin forwarded message:

From: Marla Acosta <acosta@hawaii.edu>
Date: July 19, 2018 at 5:36:09 PM HST
To: Wendy Pearson <pearsonw@hawaii.edu>
Cc: Mary Boland <mgboland@hawaii.edu>
Subject: Re: Advanced Certificate in Expanded Function Dental Hygiene

Hi Wendy,

Please see below for our responses. Also, in regard to your question about using the current major category and after consulting with Stuart - we will not use the current major because we want Dental Hygiene Pediatrics to be reflected on the transcript.

DEGREE (30 characters): Adv Professional Certificate (28 characters)

ABBREVIATION (6 characters): APCERT (6 characters)

MAJOR (30 character limit): Dental Hygiene Pediatric Care (29 characters)

ABBREVIATION (4 characters): DHPC

If you have any questions, don't hesitate to contact us.

Thanks,
Marla

On Wed, Jul 18, 2018 at 6:36 AM, Wendy Pearson <pearsonw@hawaii.edu> wrote:
Aloha,

Stuart in the Registrar's Office is setting up the Banner code for the new Dental Hygiene Certificate, which will be classified as undergraduate (at the undergraduate tuition rate). He needs the following information to complete the setup:

Degree to be awarded: Advanced Professional Certificate
- Need to shorten to 30 characters (currently 3 characters over)
- Need 6 character abbreviation
Note: Will print as a degree on the transcript, similar to the PCERTs in education

Major: Expanded Function Dental Hygiene in Pediatrics
- Need to shorten to 30 characters
- Need 4 character abbreviation
Question: Can current major "Dental Hygiene" be used?

Please advise. Thanks!

Wendy L. Pearson, Program Officer
Office of the Vice Chancellor for Academic Affairs
University of Hawai'i at Mānoa
2500 Campus Road, Hawaii Hall 209
Honolulu, HI 96822
(808) 956-6145 / FAX (808) 956-7115
<http://www.manoa.hawaii.edu>



UNIVERSITY
of HAWAI'I
MĀNOA

RECEIVED

18 MAR -1 P3 25

March 1, 2018

MEMORANDUM

MANOA CHANCELLOR'S
OFFICE

TO: David Lassner
Interim Chancellor

FROM: Michael Bruno
Interim Vice Chancellor for Academic Affairs
and Vice Chancellor for Research

SUBJECT: REQUEST TO APPROVE THE ADVANCED PROFESSIONAL
CERTIFICATE IN EXPANDED FUNCTION DENTAL HYGIENE
IN PEDIATRICS

SPECIFIC ACTION REQUESTED:

It is requested that the Chancellor approve the Advanced Professional Certificate in Expanded Function Dental Hygiene in Pediatrics, to be administered by the School of Nursing and Dental Hygiene.

EFFECTIVE DATE:

Fall 2018.

ADDITIONAL COST:

None.

PURPOSE:

The proposed Advanced Professional Certificate in Expanded Function Dental Hygiene in Pediatrics will provide specialized education in pediatric oral health promotion and disease prevention for dental hygienists to increase access to oral health services for children, especially those aged 0-5 years. The program aims to increase the dental hygiene workforce in underserved areas of Hawai'i, increase access to oral health and disease preventative services, and, ultimately, reduce early childhood dental decay and its consequent adverse effects on overall health.

BACKGROUND:

UH Executive Policy E5.205 grants the Chancellor the authority to approve certificate programs in specific subjects that represent the recognition of work taken within (or among) existing Board-authorized programs.

The 16-credit Advanced Professional Certificate in Expanded Function Dental Hygiene in Pediatrics (EFDH) is a specialized program designed to enhance the knowledge, skills, and clinical experiences of graduates of the UHM Bachelor of Science in Dental Hygiene program, and registered dental hygienists in the state.

2510 Campus Road, Hawai'i Hall 209
Honolulu, Hawai'i 96822
Telephone: (808) 956-8447
Fax: (808) 956-7115

It is anticipated that the program will attract those who want to obtain an in-depth education in oral health promotion and disease prevention in children, especially young children aged 0 to 5 years, in order to enhance and expand the services that they provide in their practices. UHM students enrolled in the BS in Dental Hygiene program may apply to the certificate program in their fourth year, and those who meet eligibility requirements will be admitted upon their graduation.

The School of Nursing and Dental Hygiene received five years of funding from the U.S. Department of Health and Human Services' Health Resources Services Administration Workforce Development program. This funding supports the development and implementation of pediatric-focused curricula, faculty and administrative staff support from the School, a part-time pediatric dental consultant, EFDH Certificate student tuition coverage, and pediatric dental equipment and supplies. Once the grant cycle has ended, the School plans to support the program through a resource mix of partial revenue from student tuition, dedicated funding for a part-time faculty position in pediatric dentistry, and community support.

The proposed program has been reviewed and recommended for approval by the faculty and dean of the School of Nursing and Dental Hygiene, and the Mānoa Faculty Senate (2/21/2018). My staff and I have reviewed the proposal, and we recommend your approval.

ACTION RECOMMENDED:

It is requested that the Chancellor approve the Advanced Professional Certificate in Expanded Function Dental Hygiene in Pediatrics, to be administered by the School of Nursing and Dental Hygiene, effective Fall 2018.

APPROVED / DISAPPROVED



David Lassner
Interim Chancellor

MAR - 6 2018

Date

Attachments

- c: Donald Straney, Vice President for Academic Planning and Policy
Dean Boland
Director Iboshi
Chair Osada
Registrar Lau
Catalog Coordinator Nakashima



UNIVERSITY of HAWAI'I at MĀNOA
SCHOOL OF NURSING & DENTAL HYGIENE
Leadership • Excellence • Innovation

**ACADEMIC SUBJECT CERTIFICATE PROPOSAL:
ADVANCED PROFESSIONAL CERTIFICATE FOR EXPANDED FUNCTION
DENTAL HYGIENE IN PEDIATRICS (EFDH)**

**Department of Dental Hygiene
School of Nursing and Dental Hygiene
University of Hawai'i at Mānoa**

November 9, 2017

- 1. What is the purpose and objectives of the proposed academic subject certificate program, including the relationship to existing degree programs(s), if any?**

The purpose of the proposed Advanced Professional Certificate in Expanded Function Dental Hygiene (EFDH) is to provide specialized education in pediatric oral health promotion and disease prevention for dental hygienists to increase access to oral health services for children, especially those ages 0-5 years. The program aims to increase the dental hygiene workforce in underserved areas of Hawai'i, increase access to oral health and disease preventative services, and, ultimately, reduce early childhood dental decay and its consequent adverse effects on overall health.

The objectives of the program are as follows:

- 1. To implement a pediatric focused Advance Professional Certificate in EFDH to increase the dental hygiene workforce knowledgeable and skilled in the care of pediatric populations; and**
- 2. To recruit and enroll dental hygienists seeking expertise in the oral health promotion and disease prevention of children, especially those ages 0 to 5 years living in underserved areas of the State.**

The EFDH Certificate Program is a specialized professional Dental Hygiene Program that builds upon the knowledge and clinical experiences of graduates of the University of Hawai'i at Mānoa (UHM) Dental Hygiene Bachelor of Science (BS) Program and Registered Dental Hygienists (RDH) in the State of Hawai'i. The EFDH Certificate Program will enhance and expand the knowledge and skills of licensed dental hygienists in the care of pediatric dental hygiene patients. The EFDH Certificate Program will not be duplicating pediatric content covered in the BS in Dental Hygiene program. The program will be providing an in-depth curriculum specifically building skills in the delivery of pediatric dental hygiene services.

The UHM BS in Dental Hygiene Program is accredited by the Commission on Dental Accreditation (CODA). As per consultation with CODA, the proposed certificate program does not require approval or accreditation by CODA.

2. **How will the program be administered? Who will be responsible for advising of students (e.g., department chair, program director or staff, individual faculty from the various participating departments)?**

The program will be administered through the Department of Dental Hygiene, UHM School of Nursing and Dental Hygiene (SONDH). The Chair of the Dental Hygiene Program will oversee the EFDH Certificate Program with support from the dental hygiene faculty as well as the SONDH Dean, Associate Dean for Academic Affairs and SONDH Nursing faculty with expertise in pediatric oral care. The Chair will advise all EFDH students.

3. **What units (e.g., programs, departments, schools, colleges) are involved? Who are the faculty involved in the planning process and who will be involved in implementing the proposed academic subject certificate?**

The EFDH Certificate Program is planned to be a certificate program in the UHM SONDH. The Dental Hygiene Chair and faculty, as well as Department of Nursing faculty with expertise in pediatric health (e.g., growth and development) have been involved in the planning process and will be involved in implementing the proposed certificate program. Applications for the program will be reviewed and qualified applicants will be recommended by EFDH faculty and selected for admission by the Dental Hygiene Chair and faculty who will be directly involved in teaching the students. Student advising and monitoring of progression and academic standing will be the responsibility of the Dental Hygiene Chair and program faculty.

4. **What population will be served by the program (e.g., graduate students enrolled in degree programs at the University; professionals working in the community who wish to upgrade knowledge and skills, desire a certificate only, and will not enroll in a degree program; undergraduate students enrolled in degree program at the University (full-time, part-time))? What is the anticipated number of students to be served each year?**

The population that will be served by the program is registered dental hygienists (RDH) in the State of Hawai'i who want to obtain an in-depth education in oral health promotion and disease prevention in children, especially young children ages 0 to 5 years, in order to enhance and expand the services that they provide in their practices. Students enrolled in the UHM Dental Hygiene BS Degree Program can apply to the EFDH Certificate Program during their fourth year and those who meet eligibility requirements will be admitted upon their graduation. Subsequently, it is anticipated that the EFDH Certificate Program will be able to admit dental hygienists with a BS degree from the community especially those from socio-economically disadvantaged circumstances and those who plan to work in underserved areas of the State. During the first two years of the EFDH Certificate Program, three to five eligible fourth year dental hygienists will be

accepted into the EFDH Certificate Program.

5. How is the program organized?

- a. What are the foundation courses and prerequisites needed for acceptance into the program (e.g., graduate or undergraduate status, grade point average; work experience)?**

The foundation courses and prerequisites required for acceptance into the program consist of all of the courses required to receive a BS Degree in Dental Hygiene and take the licensing examination. All of these courses are undergraduate courses. Students currently enrolled in the UHM Dental Hygiene BS Program must be in good academic standing. There are no other required courses and prerequisites for entry into the EFDH Certificate Program.

- b. What are the fields of concentration (tracks, areas of specialization) in the program? If there is more than one concentration, how do the fields differ?**

There is only one field of concentration, which is pediatric dental hygiene.

- c. What are the number of credits required for the academic subject certificate? (Note that the minimum required credits for graduate and undergraduate academic subject certificates are 15.)**

The total number of credits required is 16.

- d. What courses are required for the certificate program? What is the rationale for including these courses?**

Table 1 provides the required courses by semester with a rationale.

Table 1. Expanded Function Dental Hygiene Program Curriculum

Fall Semester Courses (8 credits [cr])	Rationale
DH 484 Pediatric Growth and Development (1 cr)	Provides students with fundamental content focusing on the normal growth and development of children based on current clinical practice guidelines and evidence in pediatric research.
DH 485 Advanced Health and Diagnostic Assessment for Pediatric Patients (1 cr)	Provides content on advanced health and diagnostic assessment for pediatric patients.
DH 486 Pharmacological Principles and Clinical Therapeutics in Pediatric Dental Care (1 cr)	Provides a foundation in the pharmacological principles and clinical therapeutics in pediatric dental care with a special emphasis on children 0-5 years of age.
DH 487 Inter-professional Collaborative Practice Simulation Lab (1 cr)	Provides content and skills development on interprofessional practice principles and competencies by participating in interprofessional team simulations to

	address health care issues of children.
DH 488 Dental Hygiene Pediatric Training Clinical I (4 cr)	Provide students with an opportunity to apply principles and dental hygiene skills in the care of pediatric patients focusing on children ages 0-5 years.
<i>Total Semester Credits: 8 cr</i>	
Spring Semester Courses (8 credits [cr])	Rationale
DH 489 Management of Pediatric Dental Emergencies (1 cr)	Provides a comprehensive review of dental emergencies with a focus on children 0 to 5 years of age.
DH 490 Community Based Dental Hygiene Care of Vulnerable and Special Needs Children (1 cr)	Provides content addressing community-based oral health promotion, dental disease risk reduction, and management in children 0 to 5 years of age with a focus on vulnerable and special needs populations.
DH 491 Community Population Based Practice Capstone (2 cr)	Demonstrates the ability to synthesize, analyze and develop solutions addressing a problem affecting the oral health of children thereby providing evidence of scholarship and the integration of the knowledge and skills required of an EFDH in the community.
DH 492 Dental Hygiene Pediatric Training Clinical II (4 cr)	Provides students with an opportunity to demonstrate the integration of clinical application principles and dental hygiene in the care of pediatric patients focusing on children ages 0 to 5 years at an advanced level.
<i>Total Semester Credits: 8 cr</i>	

- e. **What is the structure of the program (e.g., first-semester courses; required or core courses; electives)?**

The required courses are listed by semester in Table 1 with a rationale provided for each course. There are no elective courses in this program.

- f. **Will a practicum or internship be required for the academic subject certificate? If so, how will the certificate program arrange for and administer the practicum?**

As noted in Table 1, there are two clinical practicums required for students to successfully complete – DH 488 (4 credits) in fall semester and DH 492 (4 credits) in spring semester. These courses result in a total of 8 clinical credits (i.e., 360 hours of hands-on dental hygiene care of pediatric patients). These clinical credits are providing additional clinical experiences with a particular focus on children 0-5 years of age.

The Chair of the Dental Hygiene Program arranges the dental hygiene clinical practicum sites and monitors the tracking of student clinical experiences. The practicums will be held at the UHM Dental Hygiene Clinic. Also, proposed sites will include federally qualified health center (FQHC) dental clinics that serve pediatric patients such as Kokua Kalihi

Valley and Waimanalo Health Center, Women, Infant and Children (WIC) Clinics, and Early Head Start Programs and Head-Start Programs which may be located in designated elementary schools that are affiliated with the Hawai'i Keiki School-based health centers. The assigned faculty for DH 488 and DH 492 will provide clinical supervision in accordance with the established affiliation agreement and appropriate scope of practice.

- g. Is there an integrative experience at the end of the certificate program and if so, of what nature, e.g., scholarly paper, research project, written examination, integrative interdisciplinary seminar?**

In the spring semester, all EFDH Certificate students must complete a 2 credit capstone (integrative) course (DH 491) with the development and completion of a community based project. The final product of this course is a scholarly paper. Table 1 provides the rationale for the course.

- 6. What resources are required for program implementation and operation? How will these resources be obtained? Are additional resources required for the operation of the program?**

The SONDH has received five years of funding (2017-2022) from the U.S. Department of Health and Human Services, Health Resources Services Administration (HRSA) Workforce Development program. Under the direction of Deborah Mattheus, PhD, PNP, RN, the funding provides support for the development and implementation of pediatric-focused curricula for dental hygienists to receive enhanced education to meet the oral health needs of children. The grant supports faculty and administrative staff from the SONDH, a part-time pediatric dental consultant, EFDH Certificate student tuition coverage, and pediatric dental equipment and supplies. An essential element of the grant is a sustainability plan that focuses on strategies for the continuation of the program once the grant cycle has ended. Thereafter, the SONDH plans to support the program through a resource mix of partial revenue from student tuition, dedicated funding for a part-time faculty position in pediatric dentistry, and community support. Currently, the Department of Dental Hygiene has a total of 10.00 faculty (dentist and dental hygienist) FTEs and 2.00 staff FTEs to support department activities. As part of this endeavor, the SONDH has a strong community-based advisory board whose members are well-established in the fields of oral health, public health and private foundations who are committed to the long-term success of this program.

- 7. How will the effectiveness of the program be demonstrated and measured? How will student learning be assessed?**

The effectiveness of the program will be demonstrated through the documentation and tracking of all recruitment and marketing activities, number of applications/year, number of EFDH Certificate student admissions/year, number of disadvantaged students enrolling, and student on time completion of the program.

Student learning will be assessed using formative and summative assessments and based on the overall goal of the program as well as specific student learning activities. The formative assessment will include continuous monitoring of student

performance in each course and progression in the program. Early identification of any areas of academic performance that require improvement will occur so that a formalized individual student learning improvement plan can be developed. Faculty support and directed input will occur via the student advisor and SONDH faculty to ensure that student learning is optimized.

The summative assessments consist of mid-term and final examinations and clinical evaluations to assess students' knowledge of content about and skill development in specialized field of pediatric dental hygiene practice. The DH 491 capstone will provide evidence of students' integration of the program content as they complete a community focused project, as well as scholarship through the writing of a paper about the process and outcome of project.

The Department of Dental Hygiene utilizes the electronic UHM Course and Faculty Evaluation (eCAFÉ) for students to evaluate dental hygiene courses. The eCAFÉ will also be administered for EFDH Program courses.

- 8. Are the program objectives appropriate functions of the college and university? (Applies to proposals for all graduate certificates and for undergraduate certificates that involve units in more than one college or that require the commitment of new resources by the University.) Discuss relationship to University and campus mission and evidence of continuing need for the program.**

The proposed program is in alignment with the University, campus and school mission in offering an opportunity for disadvantaged BS DH graduates across the state to develop skills to improve access to care for underserved pediatric populations. The program anticipates and aligns with community and workforce needs, a strategy recommended by the UH Strategic Directions, 2015-2021. The service component of the program supports UHM vision and values that states "service to the community and to the profession ensures that the work of the University is transferred to our constituents and stakeholders for the promotion of the public good."

The State of Hawai'i has some of the worst oral health outcomes for children in the nation - receiving a grade of "F" by the Pew Foundation for three consecutive years. The Hawai'i Department of Health 2016 Hawai'i Smiles report, based on oral health surveillance of third graders in 2015, revealed that more than 7 out of 10 (71%) experienced visible tooth decay, with 22% of them having untreated decay. Dental hygienists can impact the oral health as well as overall health of children. This however, takes a concerted effort by UHM SONDH and our community partners to provide students with the classroom content and clinical experiences related to assessment and child/family education on health lifestyle habits for children. We expect there will be a continuing need for the certificate program in this specialty as it has become evident that these health issues cannot be solved or improved upon by the primary care provider or community dentist alone, and therefore require a team approach with repeated assessments and education to improve outcomes in oral as well as overall health of the child.