

Date: _____

REQUESTOR CONTACT INFORMATION

Name _____ Campus _____
 Title _____ Email _____
 Office/Dept _____ Phone _____

NEW PROGRAM CODE TO CREATE

Institution _____ Campus _____
 Level _____ Effective Term _____

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) _____	_____	<input type="checkbox"/> See Banner form STV_COLL
Department	(4) _____	_____	<input type="checkbox"/> See Banner form STV_DEPT
Degree/Certificate	(6) _____	_____	<input type="checkbox"/> See Banner form STV_DEGC
Major	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR
Concentration	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR
Minor	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR

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.

Special Program Designations A B N P T U

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

Required Terms of Enrollment Fall Spring Summer Extended

IRAO USE ONLY: DATE RECEIVED

EXISTING PROGRAM CODE TO REPLACE

Program Code _____ Program Description _____
Institution _____ Campus _____
College _____ Department _____
Level _____

Are current students "grandfathered" under the program code? Yes No
Should the old program code be available for use in Banner? Yes No

Effective , old program code will no longer be available to admit or recruit students.
Term (ie. Fall 2014)

This will turn off the online application, recruitment (effects Banner forms SRASUMI and SRAQUIK) and admissions (effects Banner forms SAADCRV, SAAADMS, SAASUMI, SAAQUIK, and SAAQUAN) Banner modules.

Effective , old program code will no longer be available to award degree to students.
Term (ie. Fall 2014)

This will turn off the general student (effects Banner form SGASTDN) and academic history (effects Banner form SHADEGR) Banner modules.

ADDITIONAL COMMENTS

ATTACHMENTS

BOR Approved: Associate, Bachelor and Graduate Degrees, and sole credential certificates

- BOR Meeting Minutes & Supporting Documents OR Memo with President's Approval, with cc to Vice President for Academic Planning and Policy.
- Curriculum

Chancellor Approved: Certificates (eg. Certificate of Achievements, Certificates of Competence, Subject Certificates, Academic Subject Certificates) & Associate in Technical Studies (ATS) Degree

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

VERIFICATIONS

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

Registrar
(Print Name)

Financial Aid Officer
(Print Name)

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

Tammi Oyadomari-Chun

Signature

Date

Signature

Date

Signature

Date

New Program Code Replace Program Code Date: _____

REQUESTOR CONTACT INFORMATION

Name _____ Campus _____
 Title _____ Email _____
 Office/Dept _____ Phone _____

NEW PROGRAM CODE TO CREATE

Institution _____ Campus _____
 Level _____ Effective Term _____

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) _____	_____	<input type="checkbox"/> See Banner form STV_COLL
Department	(4) _____	_____	<input type="checkbox"/> See Banner form STV_DEPT
Degree/Certificate	(6) _____	_____	<input type="checkbox"/> See Banner form STV_DEGC
Major	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR
Concentration	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR
Minor	(4) _____	_____	<input type="checkbox"/> See Banner form STV_MAJR

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)?
 See <http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html> Yes No

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.

Special Program Designations A B N P T U

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

Required Terms of Enrollment: Fall Spring Summer Extended

EXISTING PROGRAM CODE TO REPLACE, IF APPLICABLE

Program Code _____	Program Description _____
Institution _____	Campus _____
College _____	Department _____
Level _____	
Are current students "grandfathered" under the program code? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Should the old program code be available for use in Banner? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Effective , old program code will no longer be available to admit or recruit students.	
<small>Term (ie. Fall 2020)</small>	
<i>This will turn off the online application, recruitment (effects Banner forms SRASUMI and SRAQUIK) and admissions (effects Banner forms SAADCRV, SAAADMS, SAASUMI, SAAQUIK, and SAAQUAN) Banner modules.</i>	
Effective , old program code will no longer be available to award degree to students.	
<small>Term (ie. Fall 2020)</small>	
<i>This will turn off the general student (effects Banner form SGASTDN) and academic history (effects Banner form SHADEGR) Banner modules.</i>	

ATTACHMENTS

BOR Approved: Sole-credential Certificate, Associate, 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

<p>CERTIFICATES ONLY: Please check one (1) statement. This certificate is a...</p> <p><input type="checkbox"/> BOR approved certificate. BOR Meeting/Approval Date: _____</p> <p><input type="checkbox"/> Chancellor approved within an authorized BOR program. BOR Program: _____</p> <p><input type="checkbox"/> Chancellor approved CO in accordance with UHCCP 5.203, Section IV.B.10.</p>

VERIFICATIONS

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

<p>Registrar (Print Name)</p> <p>_____</p>	<p>Financial Aid Officer (Print Name)</p> <p>_____</p>	<p>For Community Colleges, verification of consultation with OVPCC Academic Affairs: Tammi Oyadomari-Chun</p> <p>_____</p>
Signature	Date	Signature
Signature	Date	Signature
Signature	Date	Signature

ADDITIONAL COMMENTS



UNIVERSITY
of HAWAII
MĀNOA

UNIVERSITY OF HAWAII
BOARD OF REGENTS

22 APR 27 A9:24

MEMORANDUM

March 2, 2022

TO: Randolph G. Moore
Chair, Board of Regents

VIA: Ernest Wilson
Chair, BOR Committee on Academic and Student Affairs

VIA: David Lassner
President

VIA: Debora Halbert
Vice President for Academic Strategy, UH System

VIA: Michael Bruno
Provost for Michael Bruno

VIA: Laura E. Lyons
Interim Vice Provost for Academic Excellence

VIA: Julienne K. Maeda
Acting Dean, Graduate Division

VIA: William Chapman
Interim Dean
School of Architecture

FROM: David Rockwood
DArch Program Director

SUBJECT: REQUEST FOR PROVISIONAL STATUS FOR THE MASTER OF
ARCHITECTURE DEGREE AT THE UNIVERSITY OF HAWAII AT MĀNOA

SPECIFIC ACTION REQUESTED:

It is respectfully requested that the Board of Regents grant provisional status to the Master of Architecture (MArch) degree program in the School of Architecture at the University of Hawai'i at Mānoa.

RECOMMENDED EFFECTIVE TERM/YEAR:

Fall 2022.

ADDITIONAL COST:

No additional cost.

	APPROVED
	<u>5/17/2022</u> DATE
	<u>Kene Tella</u> BOARD SECRETARY UNIVERSITY OF HAWAII BOARD OF REGENTS

PURPOSE:

(1) Better meet the needs of students who seek to obtain a professional degree, enter the workforce in a reasonable time period and obtain a professional license, (2) Provide a professional degree tailored to the needs of students in advanced architectural practice, and (3) Increase SOA enrollment and resulting tuition revenue.

BACKGROUND:

Significance/Contribution of this degree (address the need of the program):

The MArch degree would provide students with a National Architectural Accrediting Board (NAAB) accredited degree that qualifies them to become a licensed architect. The school's current DArch NAAB accredited degree similarly qualifies students to become a licensed architect. However, the MArch degree requires two years of full-time study in contrast to three years for the DArch. By having an NAAB accredited degree, graduates are qualified to become licensed in all U.S. states. Graduates of the school's non-NAAB accredited Bachelor of Environmental Design (BEnvD) degree can obtain a license in Hawai'i, but only after completing an approved internship that is longer than what is required for holders of an NAAB accredited degree. With the BEnvD they do not hold the educational qualification to become licensed in most all other U.S. states. Through discussions with our students, and as evidenced in a recent student survey, we have found that a MArch program better meets the needs of the majority of our students, most of which are from Hawai'i. Our students have expressed interest in becoming a licensed architect in the shortest possible time, and they wish to have the option of practicing in Hawai'i and any of the other U.S. states.

Demand projections:

Based upon our recent enrollment figures in our DArch program, and in analyzing the recent student survey we anticipate that MArch program enrollment will be around 45 students in year two, growing to around 60 students in year six.

Accreditation impact (if any):

There is no impact to accreditation per se. The school will need to have both the existing DArch and the proposed MArch accredited by the NAAB. Both programs may be put on the same accreditation preparation and visit schedule, thereby reducing time and cost.

Examples (2-3) of similar models from peer institutions:

The DArch program offered by the school is the only such degree offered in the U.S. Therefore, there are no other programs offering both the DArch and MArch degree. There are 120 MArch programs in the U.S. The MArch is currently the most common professional degree and the degree selected by students desiring to enter the profession and become a licensed architect. MArch programs are found at most all top tier universities offering professional architecture programs, such as Harvard, Princeton, UC Berkeley, and University of Michigan.

Similar programs at other UH campuses (if there is duplication, why is this program necessary):

There are no similar programs at other UH campuses. The school's existing DArch degree is currently the only NAAB accredited degree in the state. The DArch is distinct from the MArch through its inclusion of a multi-semester research component and practicum experience.

Statement from campus administration of new program's strategic value within the UH System and campus mission, and the Integrated Academic and Facilities Plan: The MArch will increase and diversify enrollment in keeping with the Systemwide Guiding Principle and Priorities. It will further advance the university's academic mission and improve opportunities to enhance the university's financial base. The MArch will also increase the university's standing and make UHM a more attractive site for graduate education, both in the MArch program and the designed and re-marketed DArch program. It will also encourage local students to complete their architectural education in Hawai'i.

Cost and resource allocation/reallocation implications:

The program can be offered at no additional cost. Students may be housed in the existing school building. Most courses offered in the curriculum will be shared with DArch students allowing efficiency and helping maintain larger class sizes. We anticipate that after launching the MArch that DArch enrollment will decrease but that total graduate architecture enrollment will remain about the same as in recent years. Through increased recruitment, total enrollment is expected to increase.

Impact of new program/program change request on campus budget allocations and mission priority:

The impact on campus budget allocations should be zero. The MArch program aligns the campus' mission by providing a shortened path to obtaining a NAAB accredited degree and subsequent licensure. This degree will be attractive to students from Hawai'i, many of which find the DArch program to be too long in duration.

ACTION RECOMMENDED:

It is respectfully recommended that the Board of Regents grant provisional status to the Master of Architecture (MArch) degree program in the School of Architecture at the University of Hawai'i at Mānoa.

Attachment: Proposal for Master of Architecture (MArch) degree program, [Approved of Authorization to Plan for the MArch Degree \(Appendix 1\)](#), Additional Appendix, [Resolution of Approval](#)

cc: Executive Administrator and Secretary of the Board Kendra Oishi
Interim Dean William R. Chapman

Master of Architecture (MArch) Proposal

University of Hawai‘i at Mānoa, School of Architecture 4/9/22

Guidelines for Proposals for New Academic Programs (15-Page Limit)

The program proposal for provisional status should follow the guidelines below. Programs are provisional for 150% of the proposed degree length. Once the college-level review has been completed, please submit the proposal and cover memo to April Goodwin at agoodwin@hawaii.edu.

I. Executive Summary

The School of Architecture (SOA) proposes a new Master of Architecture (MArch) degree. This degree would add to the three degrees currently offered at the SOA: The Bachelor of Environmental Design (BEnvD), The Master of Landscape Architecture (MLA), and The Doctor of Architecture (DArch). The BEnvD degree is termed a pre-professional degree and is not eligible for accreditation by the National Architectural Accrediting Board (NAAB). As such, the degree does not meet the educational qualification in most states for professional licensure. Both the MArch and DArch are termed professional degrees and are eligible for NAAB accreditation. Graduates holding an accredited MArch or DArch degree meet the educational qualification in all states for professional licensure.

The SOA’s DArch is the only NAAB accredited degree offered in the State of Hawai‘i. The degree requires 3 years of full-time study for students entering with a pre-professional bachelor’s degree, and 3.5 years for students entering with an unrelated bachelor’s degree. Therefore, BEnvD students need 3 years of additional graduate level study beyond the 4 undergraduate years, for a total of 7 years. Discussion with our students, local architects, and the SOA’s Dean’s Advisory Council has indicated the need to provide a NAAB accredited degree that can be completed in less than 7 total years. This is provided by the proposed MArch degree, which could be completed in 2 years beyond a pre-professional bachelor’s degree, for a total of 6 years. The topic has been the subject of four different Advisory Council meetings in 2018-19 and 2019-20; and all of those attending agreed that the MArch provided the best solution to the problems facing the profession and students currently in the program. There was universal agreement that the MArch would best serve Hawaii’s own students. The MArch would encourage more local students to complete a professional NAAB accredited degree and enter the professional workforce in Hawai‘i. The SOA faculty have voiced strong support for the implementation of the MArch program as outlined in this proposal.

Time to degree is important for many students, and we have found this to be especially true for our local students. There are very real cost and time implications for the 3 years needed to complete the DArch. Also, many students neither desire nor find necessary the additional year of the DArch, which is primarily devoted to the synergy of design and research. The SOA is currently the only program in the U.S. offering the DArch. While it fits well for a select group of students, it does not for others. We envision that with the addition of the MArch, a high percentage of Hawaii students will elect to choose this option, whereas U.S. and international students may opt for the DArch. Also, the DArch is essential for our Global Track program in which students receive a MArch from Tongji University, and a DArch from SOA/UHM. We project that by catering to different student needs we will meet the needs of employers and job-seeking graduates and increase overall SOA graduate enrollment.

The SOA has been actively developing an articulation for a BEnvD “2+2” program with Honolulu Community College. We anticipate this articulation would be in force around the time the first MArch program cohort has matriculated. This effort has been made to expand access to 4-year college education for Hawaii students, increase SOA enrollment in the BEnvD, and provide a pathway to the SOA’s graduate programs.

The MArch program will complement and expand the role of the SOA in professional education, serving the university and state workforce needs. It is also in keeping with the UH strategic plans, particularly in the role of providing sustainable design expertise and community leadership.

The proposed program will leverage existing SOA resources and collaborations to every extent possible. We expect that no new general funds will be needed to launch the program. We plan to share the majority of existing DArch and selected MLA courses and those of adjunct departments with the MArch program. It is expected that the program will attract many local as well as international/out-of-state applicants. The first BEnvD cohort graduated in 2016. Since then, an average of 32.8 BEnvD degrees have been awarded annually. Of these around 20 students apply and enter the DArch program. We estimate that once the MArch is in place a higher percentage of BEnvD graduates would opt for this program, and a lower percentage would elect to apply to the DArch program. However, a recent survey (see Appendix) of BEnvD students suggests that a higher percentage will actually decide to continue with graduate studies, thereby increasing the number of students in the MArch program. In the initial years, total graduate enrollment (MArch and DArch) would likely be about the same as recent years, with an increase in the numbers of MArch students and a decrease in DArch students. With increased marketing, however, we believe both programs could attract additional local, U.S., and international students. Students will apply and be admitted using the same procedures currently used for the DArch program. Applications are made to the UHM Graduate Division, and the SOA conducts a secondary review prior to admitting students.

The SOA has no departments and therefore no department chairs. The current administrative structure is comprised of a director for each program, i.e., Director of Undergraduate Programs (BEvnD), Director of the DArch Program, and Director of the MLA Program. Each director is a faculty member given an 11-month appointment; the directors report to the Dean. A director would be named to head the MArch program, or the duties of the DArch program director would be expanded to include the MArch program, perhaps under the title of Director of Graduate Architecture Programs. The duties of the director of the MArch program would include: advising the Dean on temporary faculty hires and course assignments; conducting transfer credit evaluations; overseeing the Capstone Studio process; coordinating program assessment; and leading WASC and NAAB accreditation efforts.

The proposed MArch curriculum closely follows the courses and sequence in the first two years of the DArch program with strengthened advanced professional practice. This provides economy and efficiency in that it reduces the number of SOA courses needing to be taught, helps ensure sufficient enrollment in courses, and allows for an interactive mix of MArch and DArch students in many classes. The curriculum has been compared with other leading and peer U.S. programs, and has been evaluated to ensure it can meet NAAB requirements. It should be noted that the DArch program received a NAAB accreditation review in 2018 and received the maximum reaccreditation term of 8 years. The MArch curriculum includes courses in appropriate areas, including design studio, professional, technical, history/theory, and electives. Design studio courses form the core of the curriculum, and a studio course is taken each semester, including the Capstone Studio taken in the final semester. This proposal was reviewed by the SOA Curriculum Committee and was approved by the SOA Faculty Senate on April 9, 2021.

All classes and other activities take place in the SOA building. Studio classes consume the majority of space given that all graduate students are given a dedicated workspace. This follows the typical practice for U.S. architecture programs. The SOA building has the capacity to house around 80 additional students over the current total enrollment, for a total of approximately 400 students in all undergraduate and graduate programs. We anticipate the total graduate student enrollment will stay the same or increase slightly during the first years of the MArch program. With additional marketing of both the MArch and DArch, we expect to increase total enrollment. Our objective is to increase graduate enrollment while at the same time increasing student quality through more selective admissions policies.

II. Program Purpose and Outcomes

- *Why is this program a priority for the unit? Describe how the program will meet the needs of students, the local community, and the state. Include a market analysis detailing the how the program will respond to the social, economic and workforce needs of the nation and state.*

Adding a MArch degree program is a priority for the SOA in that it will: (1) Better meet the needs of students who seek to obtain a professional degree, enter the workforce in a reasonable time period, and obtain a professional license, (2) Provide a professional degree tailored to the needs of students in advanced architectural practice, (3) Increase SOA enrollment and resulting tuition revenue, and (4) address the needs of Hawaii students and the local profession for qualified entry-level employees.

According to the study Long-Term Occupational Projections, State of Hawai‘i, 2018-2028, architectural positions in Hawai‘i are forecasted to increase from 990 to 1,030, or 4%. With regard to demand at the national level, NCARB’s 2018 article Architects on Rise, states, “The health of the architecture profession is even more apparent when compared to the U.S. population: the number of architects licensed in the United States has risen over 10 percent since 2008, while the total U.S. population has risen 8 percent, according to data from the U.S. Census Bureau.”

This summary indicates that UHM is unique in its professional DArch program but unusual in not offering a professional degree at the master’s or bachelor-degree level. It also indicates that demand for architects is expected to increase over the coming years. While the School of Architecture intends to retain the DArch by highlighting its combination of design research and practice, the school believes that the MArch degree would be instrumental in serving the needs and interests in advanced architectural practice of many of our undergraduate students, as well as providing a point of entry to students with preprofessional degrees from other institutions.

Although experience can be the principal factor in pay scales in the private sector, a graduate degree strengthens a professional’s credentials. This is especially important when seeking a promotion and rising through the ranks of any firm. For government jobs, a graduate degree will qualify an applicant to begin at a higher step rating, as this is considered a highly desirable qualification.

Discussions with individual undergraduate students and groups of students indicate that local students in particular are cognizant of the significant investment of time and money when their career objective is to obtain a professional degree to prepare them to enter practice. Anecdotal and survey information (see Appendix) suggests that some BEnvD students would be more likely to continue onto the master’s level if this could be completed in 2 years.

- *Describe how the program aligns with the UH academic master plan and strategic priorities.*

There are currently no professional Master of Architecture (MArch) degree programs offered in the State of Hawaii. The MArch is distinct from the DArch in that it focuses on advanced architectural practice and its application. The proposed MArch program aligns with the Campus and UH system mission. The SOA is committed to becoming a Hawaiian place of learning. The program will provide graduates that serve the community by their designing and building sustainable and humane environments, improving the quality of life for the people of Hawai‘i and beyond. We reach out to diverse student bodies, including Native Hawaiians, international students, and in/out-state students and guide them to engage in the inquiry and experimentation of advanced architectural practice to enhance the value, relevance, and effectiveness of living and community building within our built and natural environments. The MArch program will be housed in the existing SOA building on the Manoa campus. This location provides significant access to other departments to facilitate multi-disciplinary research and learning, thereby aligning with the recommendations in the Integrated Academic and Facilities Plan.

- *Provide evidence of the need for the program including projected number of students and graduates, career and graduate education opportunities, etc.*

In the U.S., three degrees are eligible to be accredited by the specialized accreditation body, the National Architectural Accrediting Board (NAAB): (1) The Bachelor of Architecture (BArch) - a 5-year degree open to students with the minimum of a high school diploma, (2) The Master of Architecture - a 2-3 year degree open to students with the minimum of an architecture pre-professional degree, or a baccalaureate degree in any field, (3) The Doctor of Architecture (DArch) – a 3-3.5 year degree open to students with the minimum of an architecture pre-professional degree, or a baccalaureate degree in any field. These three degrees are termed “professional degrees” and are distinguished from pre-professional degrees – 4-year baccalaureate degrees (BA, BS, or AB) having titles such as “Environmental Design”, “Architectural Design”, or “Architecture Studies”. Pre-professional degrees are not eligible for NAAB accreditation. According to the National Council of Architectural Registration Boards (NCARB), “Most of the 55 U.S. licensing boards require that architects hold a professional degree for a NAAB-accredited program to satisfy the educational requirement for certification.” Initial NAAB accreditation may be sought after a first cohort of students graduate from the proposed MArch program. Once accredited status is granted, it is applied retroactively to cover the first cohort of students. According to the 2019 NAAB Annual Report, there were 168 accredited programs in 139 institutions. Of the 168 programs, 112 (62%) are Master of Architecture programs, 55 (30%) are Bachelor of Architecture programs, and 1 (1%) is a Doctor of Architecture program.

As noted above, the majority of U.S. state architectural registration boards mandate that applicants for licensure hold an NAAB accredited degree. Hawai‘i is one of the few states that have an exception to this rule. According to the State of Hawaii Board of Engineers, Architects, Land Surveyors, and Landscape Architects, applicants for licensure may apply for licensure without an NAAB accredited degree. For example, holders of a 4-year pre-professional degree are required to accrue 5 years of lawful experience. This contrasts with 3 years of lawful experience required of professional degree (BArch, MArch, or DArch) holders. For additional information on Hawai‘i state requirements see Appendix). In addition, students enrolled in a NAAB accredited program may accrue lawful experience (Architectural Experience Program or AXP credits – as monitored by the National Council of Architectural Registration Boards or NCARB). Completion of lawful experience requirements is a prerequisite for taking the Architect Registration Examination or A.R.E. Therefore, while an individual may elect to pursue licensure in Hawaii without a NAAB accredited degree (such as the SOA’s BEnvD), they will need more time to become a registered architect than those holding an NAAB accredited degree. Also, in most cases non-NAAB degree holders will typically be paid lower wages during their internship period. Finally,

those without a NAAB accredited degree will face hurdles should they wish to gain reciprocity and practice in any of the states which require a NAAB accredited degree.

The SOA currently offers the pre-professional Bachelor of Environmental Design (BEnvD), the professional Doctor of Architecture (DArch), and the professional Master of Landscape Architecture (MLA). The Doctor of Architecture (DArch) consists of the combination of advanced practice and research components. For students with an interest and aptitude to focus on architectural practice with professional studies, the MArch has become an instrumental degree not only with the content but also with the shortened duration of the study.

From a career perspective, the MArch degree has become the usual entry degree for those entering the profession of architecture. The master's degree also places students in a higher employment category—especially for government jobs—than students holding a bachelor's or a professional BArch degree.

The SOA intends to retain the DArch program. The DArch would continue to offer both an alternative and an additional possible educational track for students holding pre-professional degrees or degrees unrelated to architecture. By offering both the MArch and DArch, the school will be able to cater to students having differing educational and career objectives. MArch students will typically enter the profession and seek to practice as licensed architects. DArch students may similarly engage in professional practice. However, due to their additional research background and specialization, they may also conduct research within the context of practice, and/or teach, consult, or work for NGOs or government. In addition, students holding a professional degree would be able to pursue specialized research interests in a new post-professional doctoral level degree. This degree is currently undergoing initial planning. In addition to its benefit to the research-oriented students, a post-professional doctoral level degree program will provide a lifelong education opportunity for the population who already have professional experience and look for developing the second cycle of life.

The SOA also intends to re-market the DArch for: 1) students lacking a pre-professional degree and those wishing to join our Global Track (GT) program, and 2) international students who already have MArch degrees and wish to pursue a DArch degree accredited in the US. The Global Track (GT) program will extend its collaboration to various international institutions. For example, the current China GT program is a dual degree offering in partnership with Tongji University in Shanghai, China. This program provides an opportunity for U.S. and other international students to obtain a DArch at UHM and a separate MArch from Tongji (In reverse, the Tongji students obtain their professional MArch from Tongji and the DArch from Hawai'i.). This unique offering has given the Chinese students an opportunity to obtain a higher research degree with which they are able to enter government service, private practice, or academia. American and other international students gain both the unique DArch degree and a second graduate degree from one of the most prestigious institutions in Asia. We also intend to establish other similar dual degree GT programs with other foreign universities, and to thereby increase DArch program enrollment.

The SOA plans to undertake aggressive student recruitment efforts both locally and internationally to increase graduate enrollment. We project that a higher percentage of our BEnvD graduates will elect to enter the MArch program. Therefore, DArch program enrollment will be augmented by: 1) the recruitment of pre-professional and unrelated degree holders both in US and other countries, 2) the recruitment of U.S. and international students holding a bachelor's degree in a field unrelated to architecture, 3) the growth of Global Track enrollment and by U.S. mainland and international student enrollment. In keeping with the SOA and UH mission we intend to give particular emphasis on recruiting students from Asia and the Pacific. As an example of one such recent effort, the SOA/UH recently signed

an agreement for a 2+2 program with Hoa Sen University in Ho Chi Minh City, Vietnam. The program will bring students to the SOA to complete the last two years of their BEnvD. It is expected that some of these students will continue on in the DArch program or the MArch program.

Discussion with the SOA's Dean's Advisory Council and with the local and national professional architectural community has provided additional evidence of the need for a professional MArch degree. The industry is clear that what it needs is well trained professional architects with a solid grounding in architectural practice. The increased number of projects in Hawai'i will require more architecture professionals. The MArch degree will become another option for the residents of the state of Hawai'i to prepare for licensure. In addition, the location of Hawaii and its focus on the Asia Pacific region bode well for graduates pursuing architectural work abroad. Asia is experiencing a major building boom, and architects - particularly foreign architects - are in high demand. In addition, many Asian students are especially interested in obtaining a foreign graduate level degree. They see that such a degree will offer them distinction and lead to their career advancement in industry, government, and academia.

The typical path for a MArch graduate is to obtain employment in an architectural firm, accrue needed internship credits, and pass the Architectural Registration Exam (A.R.E) to become a licensed architect. Graduates can also find employment with companies related to the design of the built environment, such as consulting engineers, contractors, landscape architects, and planners. They could also work for state or federal agencies regulating planning and construction activity.

We project student enrollment in the MArch program to be approximately 30 students after year three of the program, with around 12 students graduating each year. These percentages are based on a survey to SOA students conducted in November 2020 (see Appendix). Since the MArch program is a graduate level program, the vast majority of students will take this as a terminal degree and enter the professional workforce. It is of course possible that some students may elect to obtain another graduate degree in a related or unrelated field at UH or another university. The SOA considering offering a post-professional doctoral degree. Should such a degree be proposed and approved it would allow MArch students to continue their studies at the SOA.

The BEnvD recently underwent Academic Program Review for Provisional to Established status. The review team's report indicated, "...the BEnvD program articulates well with professional graduate degrees already offered in the School of Architecture including...3-year Doctor of Architecture (D.Arch.) degree. The proposed 2-year Master of Architecture would provide an even more efficient path to licensure." In the report's final recommendations, it was noted, "Create a Master of Architecture (M.Arch.) Degree to provide BEnvD students with a more efficient pathway to professional licensure in architecture."

- *Describe the profile of students who will likely enroll in the program and provide evidence of student demand (i.e. needs assessment).*

The Association of Collegiate Schools of Architecture (ACSA) provides a useful overview of programs in the United States, setting out degrees, enrollments, and admissions standards. The University of Hawai'i's undergraduate pre-professional BEnvD program is one of 74 pre-professional degrees in public universities, and one of 105 in all. Only 57 colleges and universities maintain a BArch undergraduate professional degree; of these only 27 are in public universities. The MArch degree is the first professional degree at 82 public universities and institutions and 46 private colleges and universities, for a total of 126, compared to 57 with BArch degrees. Hawai'i offers the only professional DArch degree.

A typical student enrolling in the program would hold a pre-professional degree and be seeking to obtain a graduate-level NAAB accredited professional degree which is the educational qualification for professional licensure. A high percentage of students enrolling would be our own BEnvD graduates, particularly during the early years of the MArch program. In polling our BEnvD students (see Appendix), 69.2% of respondents indicated they would be likely or very likely to apply to a MArch program should it be offered at the SOA. With increased marketing and recruitment efforts, it is expected that an increased percentage of students from one of the 74 U.S. programs offering a pre-professional degree would enroll. We believe the MArch will meet the demands of local students and the design industry.

- *Includes an enrollment and completion estimates with an explanation on how these number was derived.*
- Please complete tables 1 and 2 below.

Table 1. Enrollment Projects: Provisional Years

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Current Year
Projected Enrollment	15	25	30	30	30	30	0

Table 2. Program Completion Projection

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Current Year
Projected Program Completion (annual)	0	10	12	12	12	12	0

III. Program Organization

- *Provide a description of curriculum organization, total credits to complete the program including all prerequisites requirements, admission policies, advising, and other aspects of the program, with reference to its goals/outcomes. Provide additional justification if the program is more than 120 credits (bachelor’s).*

The proposed MArch program is planned as a NAAB accredited, 60-credit professional architecture program to be housed in UHM SOA, where it can build upon, strengthen, and broaden the focus of existing resources. The MArch program will add a new degree option to the school’s existing pre-professional (non-NAAB accredited) Bachelor of Environmental Design (BEnvD) program, the professional Master of Landscape Architecture (MLA) program, and the professional, NAAB accredited Doctor of Architecture (DArch) program.

Admissions Policies

The program will admit students holding pre-professional architecture degrees and professional BArch degrees. Students holding a bachelor’s degree in a field unrelated to design of the built environment would have the option of applying to the SOA’s DArch program or Master of Landscape Architecture (MLA) program. The admissions process would mirror what is currently in place for the DArch program. Admissions procedures for the planned MArch program will follow general UHM Graduate Division policy. In addition,

MArch specific requirements and admissions policies will be closely aligned with established School of Architecture practices for the professional Doctor of Architecture program (DArch).

Admissions to the MArch program will be Fall only with a January 1 application deadline. Applicants will need to demonstrate a GPA of 3.0 or above for undergraduate course work and for any post-baccalaureate or graduate course work. Standardized exam and English proficiency requirements will be in accordance with UHM Graduate Division rules. Initially, applicants will not be required to submit GRE scores. This practice will be evaluated a few years into the operation of the program. Minimum TOEFL score for international applicants: 61 (internet) or 500 (paper) or minimum IELTS score for international MLA applicants: 6.00 for the overall band test results.

Because the number of qualified applicants is expected to exceed the number of spaces available, admission will be competitive. Meeting minimum admissions standards will not guarantee admission.

Advising

Academic advising for the MArch program will follow procedures currently employed in the DArch program. These have been found to be effective and meet NAAB requirements. Effective MArch student advising will address academic development, career development, professional opportunities, advanced educational opportunities, licensure requirements, as well as continuing education requirements associated with professional practice. Academic advising tasks will be distributed among the SOA's Director of Student and Academic Services and the MArch program director. Upon admission into the program, MArch students will meet and work individually with the MArch program director to go over program requirements and the recommended sequence of courses. Subsequently, MArch students will meet on a regular basis with the Director of Student Services who will work with students to keep on track toward their degrees, navigating the system, offering assistance with curricular and registration-related questions and procedural documents, performing degree checks, etc. Students will also be encouraged to meet with faculty to discuss various aspects related to their educational goals, ideas for capstone project topics, professional/career opportunities, licensure procedures, contacts with the professional community, etc. The MArch program director, as the program's liaison with the UHM Graduate Division, in close coordination with the Dean, and Director of Student and Academic Services, will oversee academic advising and students' advancement from admission to graduation. The MArch program director will maintain the integrity of the program and degree by upholding program-related policies and procedures. The Director of Student and Academic Services will oversee students' progress toward their degree and will further support and promote the scheduling of regular advising meetings for all MArch students. The MArch program director will have signing authority for MArch program-related documents and will review and approve all student forms that require a signature.

Curriculum

On April 9, 2021, the School of Architecture's curriculum committee approved the proposed program of study for the new MArch program, stating, "[A] motion to approve the MArch program proposal draft dated April 6, 2021 with the understanding that parts in yellow, UH forms and specificities of courses will be adjusted as necessary in the future was discussed and unanimously approved by the committee."

Subsequently, on 4/9/21, the Architecture Faculty Senate approved the MArch program proposal.

In an effort to operate as efficiently as possible, the proposed program leverages existing curricular School of Architecture and campus resources and collaborations to every extent possible. Incorporating and/or cross-listing existing relevant courses avoids the duplication of course content, stimulates transdisciplinary faculty/student interactions, and strengthens existing options and concentrations in allied programs and fields. The chart below titled "Master of Architecture with Pre-Professional Degree" (below) illustrates how the MArch curriculum is organized.

Master of Architecture (MArch) with Pre-Professional Degree

student name

ID or username

entry semester

SEM / YEAR		DESIGN & RESEARCH		TECHNOLOGY		PRACTICE	HISTORY / THEORY	120 UNDERGRADUATE CREDITS	
								ELECTIVES	CRDS
Year 1	Fall	ARCH 742 [6] Arch Studio III: Complex Building	ARCH 733 [3] Advanced Design Com II	ARCH 723 [3] Arch Sys II: Qual Bio Struct Perform			ARCH 715 [3] Asia-Pacific Arch History & Theory		15
	PRE-REQ						<i>DArch Major</i>		
Year 1	Spring	ARCH 743 [6] Arch Studio IV: Urban Design	ARCH 739 [3] Research Methods	ARCH 724 [3] Arch Sys III: Qual Struct Anal & Design	ARCH 725 [3] Arch Sys IV: Environ Tech, Sust & Anal				15
	PRE-REQ	<i>Arch 742, 733</i>	<i>Arch 715</i>	<i>Arch 723</i>	<i>Arch 723</i>				
Year 2	Fall	ARCH 744 [6] Comprehensive Studio			ARCH 726 [3] Systems V: Integration	ARCH 745 [3] Advanced Professional Practice	ARCH 716 [3] Arch & Urban Design Theory		15
	PRE-REQ	<i>Arch 726 concurrent; Arch 724, 725, 743</i>			<i>Arch 744 concurrent; Arch 724, 725, 733, 744</i>	<i>Arch 739, 743</i>			
Year 2	Spring	ARCH 783D [6] <i>MArch Capstone Studio</i>	ARCH 783R [3] <i>MArch Capstone Research</i>				ARCH 6xx [3] Arch Elective	ARCH 6xx [3] Arch Elective	15
	PRE-REQ	<i>Arch 744</i>	<i>Arch 785A concurrent;</i>						
TOTAL									60

Notes:

1) New SOA courses specific to the MArch program are italicized.

Degree Requirements

General degree requirements for the MArch program are set forth by the UHM Graduate Division policy. MArch -specific degree requirements are:

MArch core requirements [45 credits]:

- ARCH 715 [3] Asia-Pacific Architectural History and Theory
- ARCH 716 [3] Architecture and Urban Design Theory
- ARCH 723 [3] Architecture Systems II: Qualitative Bioclimatic and Structural Performance
- ARCH 724 [3] Architecture Systems III: Quantitative Structural Analysis and Design
- ARCH 725 [3] Architecture Systems IV: Environmental Technology, Sustainability, and Analysis
- ARCH 726 [3] Architecture Systems V: Building Systems Integration
- ARCH 733 [3] Advanced Design Communication II
- ARCH 739 [3] Research Methods Seminar
- ARCH 742 [6] Architecture Studio III
- ARCH 743 [6] Architecture Studio IV: Urban Design
- ARCH 744 [6] Architecture Studio V: Comprehensive Design
- ARCH 745 [3] Advanced Practice

Required electives [6 credits]:

- ARCH 6XX [3]
- ARCH 6XX [3]

Capstone [9 credits]

- ARCH 783D [6] *MArch Capstone Studio: Design*
- ARCH 783R [3] *MArch Capstone Studio: Research*

MArch total: 60 credits

In order for the SOA to be able to implement this new program without requesting additional resources, the majority of courses in the MArch program will utilize existing DArch courses, with a mix of MArch and DArch students enrolled in these same courses.

SOA Programs Synergy

Besides offering economy and efficiency, the sharing of courses between the MArch, DArch, and MLA programs provides opportunities for cross-disciplinary collaboration and exchange. It also serves to promote unity, communication, and understanding among the SOA community.

Cooperative Arrangements

The MArch curriculum leaves room, mainly through its electives, for potential additional cross-listed courses with the Department of Urban and Regional Planning (DURP) programs well as other UH Mānoa departments such as Geography, Civil Engineering, Art, etc.

Accreditation

To ensure that the MArch program will be able to achieve a successful initial NAAB accreditation, the curriculum has been compared to other current accredited MArch programs, and a NAAB matrix of courses has been completed showing the NAAB Student Criteria (SC) and Program Criteria (PC). This matrix is shown below. The required courses in sum cover the needed criteria. It should be noted that NAAB uses the same Student Criteria and Program Criteria for the MArch and the DArch.

- Describe provisions for articulation with UHCCs.

The MArch is a graduate program and would not therefore have a direct articulation with the UHCCs.

- Attach (in appendix) relevant program/academic plans.
- Please complete Table 3 below.

Table 3. Anticipated Courses, Sections, SSH

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Current Year
Number of new courses offered	2	0	0	0	0	0	0
Number of new sections offered	4	0	0	0	0	0	0
Annual SSH	360	0	0	0	0	0	0

IV. Program Resources and Efficiency

- What operating and instructional resources will the program need and where will they come from?
What are the program’s facility needs?
- What are the risks associated with this program?

It is anticipated, that at least for the beginning years of the MArch program, no additional permanent faculty will need to be hired. Should enrollment increase beyond the steady state enrollment of around 30 students in years 3- 6 (See Table 1), additional faculty (lecturers or permanent faculty) will be needed as instructors for the additional Capstone Studio and Capstone Research course sections. These sections may be taught by permanent faculty should new faculty lines be approved by the university, or by reallocating courses assigned

to permanent faculty. It would also be possible to have lecturers teach one or more of these sections. As a professional program, the MArch seeks to find an appropriate balance between permanent faculty and lecturers. It is typical for architecture programs to employ a relatively high percentage of lecturers as they serve to forge relationships with the professional community and allow students exposure to current issues in the practice of architecture. The integration of the MArch into the overall curriculum structure of the SOA will take approximately 2 to 3 years. During this period, enrollment fluctuations in the MArch and DArch programs will be expected.

Support Personnel

The School of Architecture Student Services Office, through its Director of Student and Academic Services and other staff, will provide MArch support in student advising, admissions, communications with UHM Graduate Division, curricular matters, and degree administration. Office of the Dean staff, such as the SOA's Administrative Office, will continue to provide MArch -related HR and funds management support. Further, the school's directors of Digital Media/IT Lab and Fabrication Shop and their student staff members will support MArch student and faculty needs. Thus, no additional staff will be needed during MArch program implementation. As the School of Architecture faculty and student body continues to grow, however, additional pressure will be placed on administrative and staff resources. Once the MArch has been established, with sufficient and growing enrollment/revenue, additional staff support may be needed.

Library Requirements

The UH Mānoa Library holds a significant number of basic architectural resources in digital and print formats. The school also has book and periodical holdings in the John and Maria Lynn Reading Room which is housed in the SOA building. These resources have proven to be adequate for all NAAB reaccreditation visits for the DArch program. Because the requirements for library resources are the same for MArch and DArch programs, we are confident that this requirement will be sufficient for initial accreditation of the March program.

Supplies and Equipment

The MArch program will take advantage of existing School of Architecture supplies and equipment. In the event that additional equipment is needed for the establishment of the program, we will use differential tuition revenue and/or existing expendable gift accounts to help fund the expenses.

Physical Resources/ Facilities

During the first years of program establishment, existing School of Architecture spaces will be sufficient to accommodate incoming MArch classes. School of Architecture classrooms and teaching spaces are appropriate for lecture courses and seminars and general-purpose classrooms can be used for lecture courses. Dedicated studio spaces should also be adequate. However, should the total SOA student enrollment increase in the future, additional space will be needed. Such possible growth may result in an increase beyond the MArch steady state projection or other new programs.

Students in the proposed MArch program will use the School of Architecture's Digital Fabrication Services lab (room 207) for scanning, printing, laser-cutting, and 3D printing, as well as the Fabrication Workshop (room 104/105) for woodworking and CNC milling. As the program matures, we will seek to augment and update physical resources and equipment to accommodate the needs of MArch students. SOA student professional fees will help fund these additions and improvements. The SOA's existing facilities have proven adequate to meet DArch NAAB accreditation and are deemed adequate to meet initial MArch accreditation standards.

- *What impact will developing this program have on resource (re)allocation in the unit?*

Funding

No additional resources are expected in the early years of the program. As noted above, should enrollment in the program grow, new faculty and additional space may be needed. In this case, additional tuition revenue is expected to cover the increased expense. The SOA has one approved replacement position now on hold due to the hiring freeze and another retirement that will need refilling. Otherwise, the MArch program will depend on existing faculty (12.75 FTE) and our pool of lecturers from the professional community. The program will not require any new faculty members other than those to be replaced once the hiring freeze ends. For maximum efficiency, relevant existing DArch, and MLA courses will be incorporated in the proposed MArch curriculum and lecturers from the professional field will be utilized. As it is common practice in other, established MArch programs, some courses are more appropriately taught by local professionals hired as lecturers. If needed with increased enrollment in future years, it is expected that any additional FTE and/or lecturer costs required will be covered through the reallocation of internal resources (e.g. teaching assignments, course development, and cross-listing required coursework); and through future strategic recruitment for open faculty positions. No new general funds will be needed to launch the program.

Cost Comparison with Other Programs

Average class sizes for required MArch design studio courses are expected to be equivalent to the sizes of existing studio courses in our professional DArch program (6-15 students). The addition of MArch students will increase enrollment in these existing studio and lecture courses and thus make them more financially viable. The same is true for existing graduate-level DArch courses that will be MLA requirements (ARCH/PH 682, ARCH 695, ARCH 739, ARCH 743, ARCH 690). The addition of MLA and DArch students will make these courses more efficient in terms of their student/instructor ratio. The remaining MArch lecture and capstone courses will be comparable in size to those in other relatively small professional programs such as the Master of Urban and Regional Planning (MUR) or the DArch.

List similar programs that currently exist in the UH system. Describe how this program compares and provide a justification for a new program in this field.

No MArch degree or similar programs exist in the UH System or in the state with the exception of the DArch which is offered by the SOA. The MArch and DArch are both subject to specialized NAAB accreditation. The MArch is distinguished from the DArch in that it requires less time to complete and has fewer research requirements.

- *Has there been consultation at the program level between campuses and within the originating campus? Please provide documentation of who was consulted, in what capacity, and when? Provide a summary of the results of the consultation.*
- *Please complete tables 4-6 below.*

Table 4. Existing Resources and Funding

Existing Resources	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Current Year
Combined Tuition/Summer/Course	45,890	62,780	92,670	97,000	102,000	107,000	0
Projected Fees	15,000	25,000	30,000	30,000	30,000	30,000	0

Table 5. Anticipated Personnel and Operating Costs*

Personnel	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Current Year
Full-time Faculty	0	0	0	0	0		0
Lecturers	1	2	2	2	2	2	0
Instructional Costs	13,268	27,066	27,608	28,436	29,289	30,168	0
Other	0	0	0	0	0	0	0
TOTAL COSTS	155,891	306,752	312,887	322,273	331,942	341,900	0

Faculty Costs*	0	0	0	0	0	0	0
Lecturer Costs	13,268	27,066	27,608	28,436	29,289	30,168	0

*Faculty costs are covered by General Funds and are listed here only for proportional comparison with the school's other programs. No new positions will be required.

Table 6. Anticipated Operating Costs**

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Current Year
Unique Projected Operating Costs (from Provisional proposal)**	0	0	0	0	0	0	0

**There are no unique equipment and purchases or other program costs for the MArch program. Equipment purchases are paid for using RCUH funds.

V. Program Effectiveness

- Briefly describe (one paragraph or less) the plan for assessing the quality of student learning.
- Identify relevant program accreditation and plans to meet accreditation requirements.

The NAAB Student Criteria (SC) and Mānoa Advanced Degree Learning Objectives (ILO) will be included in all required MArch course syllabi. Please refer to the UHM-1 forms and supporting materials (justifications and generic syllabi) for new MArch courses in the Appendix for examples. Admission of applicants into the MArch program acknowledges student competency and varying levels of preparedness. As is common practice in professional design degree programs, the evaluation of students during their final studio presentations by invited professionals as well as the participation of outside committee members (experienced professionals) on capstone committees and juries will play important roles in the assessment of MArch learning at various stages throughout the program (also see curriculum map). Additionally, as has been a long-standing and successful tradition in the school's NAAB-accredited DArch program, at the end of each semester, SOA program faculty engage in an all-faculty review of the semester's program course work, specifically design studio work. During this assessment session, all SOA faculty and the Dean gather for one day and evaluate/discuss how studio courses and the overall program curriculum might be adjusted to better

align course content with NAAB SC criteria and improve overall program learning outcomes. NAAB Criteria and how they are mapped to the MArch curriculum is shown in the Appendix.

Program Accreditation and Plans to Meet Accreditation Requirements

The proposed MArch will seek NAAB accreditation candidacy status during the first and second year of program operation (application for candidacy status during first year of MArch operation; NAAB candidacy team visit and review during the second year). Candidacy is an accreditation classification granted to a program that is in the early stages of development or an intermediate stage of program implementation. Upon graduation of its first MArch class the program will apply for initial NAAB accreditation. NAAB accreditation for the program, once granted, will be retroactive and include the first graduating class.

Throughout this program proposal we have highlighted important NAAB accreditation criteria and how they relate to the MArch program outcomes, curricular and administrative organization, resources, and assessment. The SOA administration and faculty possess a wealth of experience with NAAB program accreditation. The School of Architecture's administration and faculty are well prepared to undertake the upcoming MArch accreditation candidacy and initial accreditation applications. At the time of the submission of this proposal, pending program approval, the school already meets all criteria necessary for a NAAB accreditation candidacy status application. The proposed MArch degree is not expected to interfere with the School's NAAB accreditation of its DArch program) or UH Mānoa's accreditation by the Western Association of Schools and Colleges (WASC). NAAB recognizes WASC as a regional accreditation agency.

B. NAAB Criteria (2020 Edition) and Curriculum Map

3.1 Program Criteria (PC)

A program must demonstrate how its curriculum, structure, and other experiences address the following criteria.

PC.1 Career Paths—How the program ensures that students understand the paths to becoming licensed as an architect in the United States and the range of available career opportunities that utilize the discipline’s skills and knowledge.

PC.2 Design—How the program instills in students the role of the design process in shaping the built environment and conveys the methods by which design processes integrate multiple factors, in different settings and scales of development, from buildings to cities.

PC.3 Ecological Knowledge and Responsibility—How the program instills in students a holistic understanding of the dynamic between built and natural environments, enabling future architects to mitigate climate change responsibly by leveraging ecological, advanced building performance, adaptation, and resilience principles in their work and advocacy activities.

PC.4 History and Theory—How the program ensures that students understand the histories and theories of architecture and urbanism, framed by diverse social, cultural, economic, and political forces, nationally and globally.

PC.5 Research and Innovation—How the program prepares students to engage and participate in architectural research to test and evaluate innovations in the field.

PC.6 Leadership and Collaboration—How the program ensures that students understand approaches to leadership in multidisciplinary teams, diverse stakeholder constituents, and dynamic physical and social contexts, and learn how to apply effective collaboration skills to solve complex problems.

PC.7 Learning and Teaching Culture—How the program fosters and ensures a positive and respectful environment that encourages optimism, respect, sharing, engagement, and innovation among its faculty, students, administration, and staff.

PC.8 Social Equity and Inclusion—How the program furthers and deepens students' understanding of diverse cultural and social contexts and helps them translate that understanding into built environments that equitably support and include people of different backgrounds, resources, and abilities.

3.2 Student Criteria (SC): Student Learning Objectives and Outcomes

A program must demonstrate how it addresses the following criteria through program curricula and other experiences, with an emphasis on the articulation of learning objectives and assessment.

SC.1 Health, Safety, and Welfare in the Built Environment—How the program ensures that students understand the impact of the built environment on human health, safety, and welfare at multiple scales, from buildings to cities.

SC.2 Professional Practice—How the program ensures that students understand professional ethics, the regulatory requirements, the fundamental business processes relevant to architecture practice in the United States, and the forces influencing change in these subjects.

SC.3 Regulatory Context—How the program ensures that students understand the fundamental principles of life safety, land use, and current laws and regulations that apply to buildings and sites in

the United States, and the evaluative process architects use to comply with those laws and regulations as part of a project.

SC.4 Technical Knowledge—How the program ensures that students understand the established and emerging systems, technologies, and assemblies of building construction, and the methods and criteria architects use to assess those technologies against the design, economics, and performance objectives of projects.

SC.5 Design Synthesis—How the program ensures that students develop the ability to make design decisions within architectural projects while demonstrating synthesis of user requirements, regulatory requirements, site conditions, and accessible design, and consideration of the measurable environmental impacts of their design decisions.

SC.6 Building Integration—How the program ensures that students develop the ability to make design decisions within architectural projects while demonstrating integration of building envelope systems and assemblies, structural systems, environmental control systems, life safety systems, and the measurable outcomes of building performance.

NAAB Criteria Curriculum Map

The following matrix (curriculum map) illustrates the alignment of instruction with NAAB Program Criteria (PC) and Student Criteria (SC) throughout the proposed MArch curriculum. Individual course syllabi specify the NAAB SC assigned to each course.

MASTER OF ARCHITECTURE

AlphaNo	Cr	Courses	Program and Student Criteria															
		A - Ability U- Understanding										U	U	U	U	A	A	
			PC.1 Career Paths	PC.2 Design	PC.3 Ecological Knowledge and Responsibility	PC.4 History and Theory	PC.5 Research and Innovation	PC.6 Leadership and Collaboration	PC.7 Learning and Teaching Culture	PC.8 Social Equity and Inclusion	SC.1 Health, Safety, and Welfare in the Built Environment	SC.2 Professional Practice	SC.3 Regulatory Context	SC.4 Technical Knowledge	SC.5 Design Synthesis	SC.6 Building Integration		
			Program Criteria								Student Criteria							
		MArch REQUIRED COURSES																
ARCH 715	3	Asia-Pacific Architectural History and Theory				x				x								
ARCH 716	3	Architecture and Urban Design Theory				x	x			x	x							
ARCH 722	3	(Bootcamp) Architecture Systems I: Introduction to Systems		x	x						x			x				
ARCH 723	3	Arch Sys II: Qualitative Bioclimatic Structural Performance			x						x			x				
ARCH 724	3	Arch Sys III: Quantitative Structural Analysis and Design		x							x			x				
ARCH 725	3	Arch Sys IV: Environmental Technology, Sustainability, and Analysis			x						x			x				
ARCH 726	3	Architecture Systems V: Building Systems Integration						x			x			x	x	x		
ARCH 731	3	(Bootcamp) Advanced Design Communication I		x				x										
ARCH 733	3	Advanced Design Communication II		x				x						x				
ARCH 739	3	Research Methods Seminar						x	x		x							
ARCH 742	6	Architecture Studio III: Complex Buildings		x				x			x		x		x			
ARCH 743	6	Architecture Studio IV: Urban Design			x			x		x			x	x	x			
ARCH 744	6	Architecture Studio V: Comprehensive Design		x	x			x				x	x	x	x	x	x	
ARCH 745	3	Advanced Practice	x					x				x	x					
ARCH 765	6	Capstone Design Studio	x	x	x						x	x	x	x	x	x	x	
ARCH 766	3	Capstone Design Research			x	x	x											

C. 2020 MArch Program Interest Survey & Results

3/8/2021

MArch Survey - Google Forms



MArch Survey

Questions Responses 14

14 responses



Accepting responses

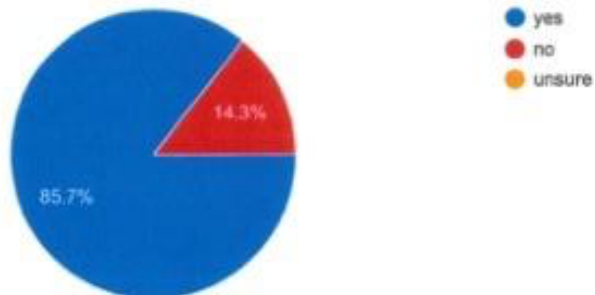
Summary

Question

Individual

If a 2-year MArch had been available at the time you applied to the DArch, would you have chosen the MArch over the DArch?

14 responses



If yes, why?

12 responses

Because it is a shorter program which mean less money spent. Assuming it's a professional degree like the DArch. As well as it is more understood in the professional world

A 3-year commitment is a difficult decision to make for a student under financial and academic pressure. With Hawaii being the only school in the country offering a D.Arch, it is hard to compare the program and the degree's standing to all other architecture schools in the U.S and for mainland employers to compare as well. I believe more of my undergrad classmates would have enrolled in grad school if the program was shorter, or if the AXP opportunities within the D.Arch program was longer (2 semesters-whether joined or separate).

I think given the opportunity to graduate with an MArch will allow me to still acquire an accredited professional degree and help me to start exploring firms at a much earlier time. Financially, this is also a more appealing option as tuition is not always easy to come by each semester. Although the opportunity to research and develop a thesis is not available for those pursuing the MArch, I think it at least allows students to experience professional education and get us working in firms sooner.

I would like to start practicing ASAP. Having the possibility of becoming a professor with the DArch is great, but the structure of the MArch and DArch sound very similar. If I could get an accredited degree a year earlier and get my license a year earlier. I definitely would've chosen the MArch.

If no, why not?

2 responses

As GT student I find more value in having distinguished levels of both a masters and doctorate degree as part of the program. I don't think it'd be as valuable to simply have dual masters degrees (if GT would even be available in a two year program). To be honest if UH offered an M.Arch instead of D.Arch I would've chosen to study elsewhere for graduate school.

The DArch program represents a proof of understanding of critical research and design. This program is not about designing in the present but pushing forward and the boundaries of design in the future of the Asia-Pacific region. However, I see the benefits of a two year program for those who wish to affect the present and immediate future rather than the next step in the human environmental design.



BEnvD Student Survey_Fall 2020

Questions Responses 65

65 responses



Accepting responses

Summary

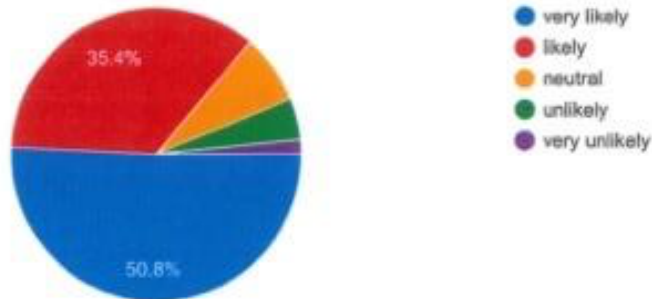
Question

Individual

Employment after graduation with the BEnvD

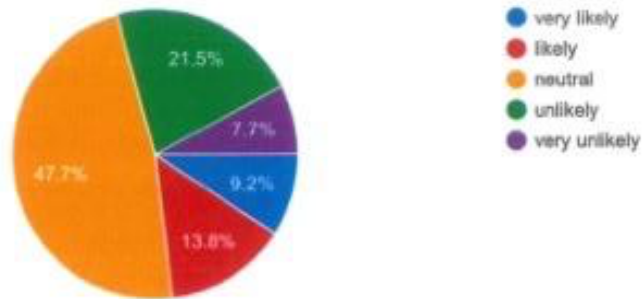
1. Do you plan to find employment in an architecture firm?

65 responses



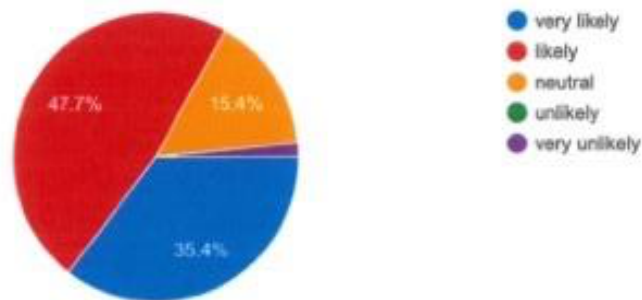
2. Do you plan to find employment in a landscape architecture firm?

65 responses



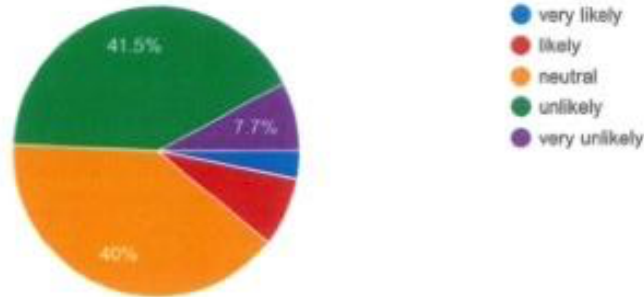
3. Do you plan to find employment in a company or organization involved in design/development of the built environment?

65 responses



4. Do you plan to find employment in a company or organization unrelated to the design of the built environment?

65 responses



4a. If your answer to #4 is very likely or likely, please specify the field(s) you might pursue.

9 responses

landscape arch/urban planning, unrelated fields may be product or graphic design

Architecture, environmental design, sustainable design, planning

Product design, fashion, entrepreneurship...

Sustainable Practices/Technology

N/A

Pilot in the USAF

Horticulture/ agriculture

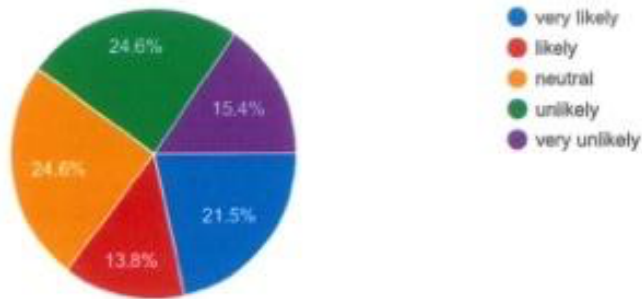
I would like to look into 3D Environmental Design, or Furniture Design

Legislati

Graduate degrees at the UHM SOA

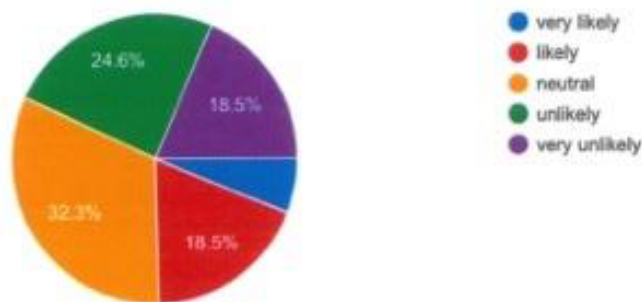
5. Do you plan to apply to the School's 3-year Doctor of Architecture (DArch) program?

65 responses



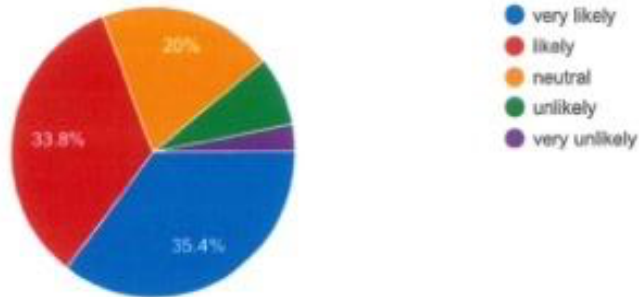
6. Do you plan to apply to the School's 2-year Master of Landscape Architecture (MLA) program?

65 responses



7. Would you apply to a 2-year Master of Architecture (MArch) program if offered by the SOA?

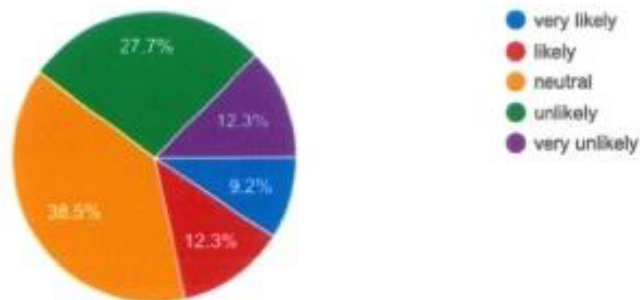
65 responses



Graduate degrees at other institutions

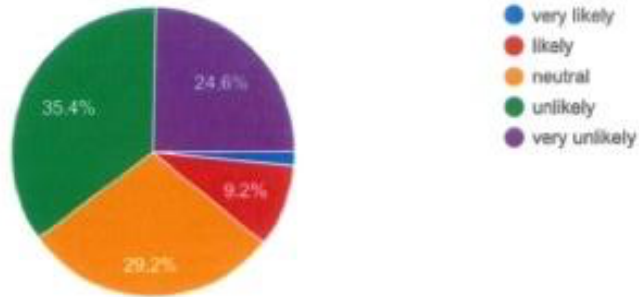
8. Do you plan to apply to a MArch graduate program at another institution?

65 responses



9. Do you plan to apply to a MLA graduate program at another institution?

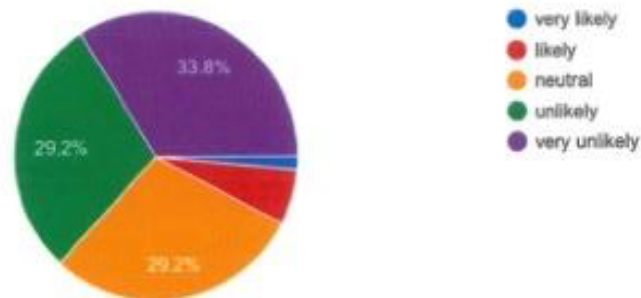
65 responses



Other graduate degrees

10. Do you plan to apply to another graduate program at UH (outside the School of Architecture)?

65 responses



10a. If your answer to #10 is very likely or likely, please specify the field(s) you would like to study.

8 responses

Urban planning

N/a

architecture//law

N/A

Communication

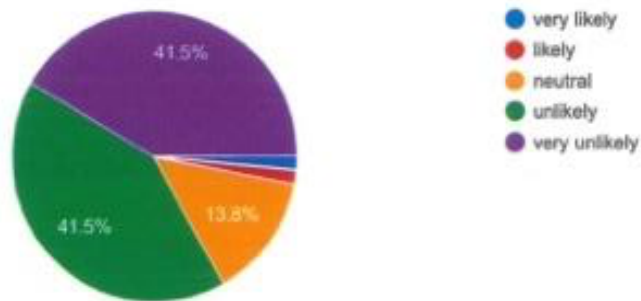
General Architecture, Interior, Industrial

Not clear

undecided

11. Do you plan to apply to a non-architecture graduate program at another institution?

65 responses



11a. If your answer to #11 is very likely or likely, please specify the field(s) you would like to study.

3 responses

N/a

law/film/finance/art criticism

Urban design and planning

Thank you! We appreciate your time in taking this survey.

D. State of Hawaii Architectural Licensing Requirements (Excerpt)

REQUIREMENTS FOR LICENSURE - ARCHITECT

Access this form via website at: cca.hawaii.gov/pvl

REQUIREMENTS

1. Possess the proper education and/or experience as contained below; and
2. Pass the NCARB's A.R.E.

PATHWAYS

There are two basic pathways to licensure:

1. If you are currently licensed in another state, you will be seeking licensure via endorsement.
2. If you are **NOT** licensed in any other state, you will be seeking licensure via AXP/exam.

- On page 1 of the application form, please indicate which pathway (1 or 2) for licensure you are taking.

NOTE: If you passed any examination but are not licensed in any other state, have your exam results sent to the Hawaii Board directly from the other state board you passed exam for.

MINIMUM EDUCATION & EXPERIENCE

The amount of experience required is dependent on the level of education you have and the pathway applicable to you:

	EDUCATION LEVEL	LAWFUL EXPERIENCE	
		[via endorsement]	[via AXP/exam]
1 -	Bachelor's, master's or higher degree in architecture from a school or college approved by the Board; OR	3 years	AXP
2 -	Graduate of a 4-year architectural, pre-architectural or arts and science curriculum from a school or college approved by the Board; OR	5 years	5 years, including completion of AXP
3	Graduate of a 2 year architectural technology curriculum from a community college or technical training school approved by the Board; OR	8 years	8 years, including completion of AXP
4 -	No Degree	11 years	11 years, including completion of AXP

On page 1 of the application form, please indicate which level of education (1 to 4) you have.

FOREIGN EDUCATION

In addition to the foregoing, graduates of foreign colleges (other than from a Canadian accredited college) must have their foreign architectural degree evaluated **if** they wish to have their degree(s) considered. (See below)

Applicants shall be required to have an Education Evaluation Services for Architects ("EESA") evaluation through The National Council of Architectural Registration Boards ("NCARB") by opening a My NCARB account.

To open a My NCARB account, please go to the NCARB website at: www.ncarb.org.

(CONTINUED ON PAGE 2)

E. Letters of Support



March 15, 2021

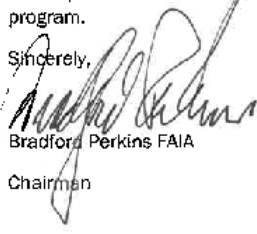
Dean William R. Chapman
School of Architecture
University of Hawaii, Manoa
2410 Campus Road
Honolulu
Hawaii 96822-2316

Re: M. Arch Program

Dear Dean Chapman:

I am writing to strongly support the school's plan to create an M.Arch program. As a longtime member of the School's Advisory Council, participant in the D.Arch program, and employer of student interns and graduates, I believe this is an appropriate expansion of the School's programs. While the school's respected D.Arch program is a great option for many students, the school should also offer a more traditional program, such as the proposed M.Arch, for the many other students who want to pursue a more typical architectural education. I hope this proposed program is approved and implemented in the near future. My partners and I look forward to meeting the students and graduates of this program.

Sincerely,



Bradford Perkins FAIA

Chairman

KATH WILLIAMS + ASSOCIATES

**P.O. Box 1191
Bozeman, MT 59771
Phone: 406-586-3175
www.kathwilliams.com**

March 12, 2021

Dear Dean Chapman,

I strongly support the MArch route as the most attractive and advantageous for the students. As you know, I head a global firm that works on sustainable projects from design through construction, operations and maintenance. Many of my associates from around the world hold a Bachelor in Environmental Design as the most appropriate degree for what we do. We are not designers but we do sit at the table with the owners and design teams, providing a resource in current global sustainable practices and processes.

Although we are not designers, it is important that we all have a deep understanding and appreciation for architecture. An MA in architecture would be an asset to my team and others around the world, giving them that "higher degree". Devoted, focused time to architecture learning and research would be invaluable and pair well with their interests and chosen professional pursuits.

Please add this letter to others who strongly endorse David Rockwood's leadership in developing this academic path. I would be proud to continue my own support of the DArch students at University of Hawai'i Manoa and contribute to the professional preparation offered through MArch.

Best wishes,



Kath Williams, Ed.D
LEED Fellow
President
Kath Williams + Associates, Inc.
P.O. Box 1191
Bozeman, Montana 59771-1191
406-586-3175 (office)

A Montana Corporation

CFP BOARD

CERTIFIED FINANCIAL PLANNER BOARD OF STANDARDS, INC.

Dean William R. Chapman
School of Architecture
University of Hawaii – Manoa
Honolulu, Hawaii 96822

March 10, 2021

Dear Bill,

I commend, and endorse, the decision of the School of Architecture for moving forward with the MArch degree.

As you know, I was a Vice President at the American Institute of Architecture for more than seven years overseeing several initiatives including those that promote the influence of architecture in the many ways people live, work and play. It is this important role that necessitates expanding the pipeline and opportunities for those seeking a career in architecture. The MArch degree offers such an opportunity.

In my current role as the Chief Operating Officer for the CFP Board, the standard setting organization that administers the requirements for CFP® certification in financial services, we are in constant competition for talent to ensure the profession's growth and relevance. Architecture faces the same competition. Providing pathways to pursue this career is imperative. The MArch program provides an additional pathway to the profession.

As an Advisory Council member and a donor, I support this direction wholeheartedly.

Best regards,



Elizabeth M. Stewart, Esq.
Chief Operating Officer



PACIFIC ARCHITECTS

March 16, 2021

University of Hawaii
School of Architecture
2410 Campus Road
Honolulu, Hawaii 96822-2216

Attention: Mr. William R. Chapman, Dean

Subject: Re-instatement of MArch Degree

Aloha Bill,

This letter is written in support of the School of Architecture's decision to re-establish the MArch degree program. I agree that, besides the School's current BEnvD (Bachelor of Environmental Design) and DArch (Doctor of Architecture) degrees, an accredited MArch degree should be added. This will allow our students to receive professional education in compliance with a standardized national curriculum accredited by NCARB (National Council of Architectural Registration Boards) and NAAB (National Architectural Accrediting Board).

Your initiative will allow more students to engage with local work force communities and achieve licensure earlier without having to leave the state. Hawaii's design and building industries are extremely unique from anywhere else; and are in dire need of filling positions vacated by aging personnel. As a practicing architect, general contractor and Hawaii's 2020 BIA-Hawaii (Building Industry Association of Hawaii) President, I have been made very aware of the impending workforce shortage the State will experience within the design and building communities.

Your offering of a (4+2) MArch degree will certainly strengthen the School, attract students locally and from abroad, increase enrollment and tuition receipts; and provide greater value for our students and employers. I would like to also offer the following for consideration:

1. That the School continue its teaching collaboration with HCC (Honolulu Community College)... to strengthen the technical skills of UH BEnvD students while also allowing HCC to develop a Pre-Architecture degree program.
2. That the BEnvD curriculum be realigned to assist with the preparation of students interested in continuing on to their Master's degrees.
3. That an accelerated MArch program be considered... providing added value ... through summer school sessions and/or other means.

I greatly appreciate this opportunity to voice my support of the School of Architecture's efforts to re-establish its MArch Degree. I implore the Board of Regents and the Administration to look favorably upon your initiative and to provide all support necessary for its implementation and success.

Mahalo and Best Regards,
Pacific Architects, Inc.

A handwritten signature in black ink, appearing to read "Dwight Mitsunaga". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Dwight Mitsunaga, FAIA, ArchD, NCARB
President

University of Hawaii: BA '72, MArch '75, ArchD '00

University of Hawaii, School of Architecture Advisory Council Chair
Honolulu Community College, AEC Program Advisory Committee Member
Chaminade University, E+ID Program Advisory Committee Member
Building Industry Association of Hawaii, Education Committee Member



March 12, 2021

William R. Chapman
Dean, University of Hawaii School of Architecture

Dear Bill:

I agree completely with the idea of reviving the MArch degree at the University of Hawaii School of Architecture. To do so provides a professional degree that will allow graduates to take the next steps toward the practice of architecture in less time and with less financial investment. It also puts Hawaii in line with every other school of architecture.

Retention of the BEnvD will allow graduates who wish to work in an allied field but do not require a professional degree to finish their education in less time. And the DArch, of course, will continue to benefit those who look toward a future in education or seek a deeper understanding of a specific subject before becoming a licensed architect.

Adding the MArch to the list of educational opportunities at the University of Hawaii School of Architecture is an excellent idea.

Best,



Bob Liljestrand, MArch, AIA Associate
President, Liljestrand Foundation

LILJESTRAND FOUNDATION

(808) 537-3116 • 3300 TANTALUS DRIVE, HONOLULU, HAWAII 96822
INFO@LILJESTRANDFOUNDATION.ORG • LILJESTRANDFOUNDATION.ORG



FUNG ASSOCIATES INC.

architecture ■ preservation ■ planning ■ interiors

March 17, 2021

Dr. William R. Chapman
University of Hawaii, Manoa
School of Architecture
2410 Campus Road
Honolulu HI 96822-2216

Via email: sekimoto@hawaii.edu

Aloha Dean Chapman,

We are writing to express our support for the reinstatement of the Masters of Architecture program at the UHM School of Architecture. We have a number of very valued UHM alumni in our office, the vast majority do not have the Doctorate of Architecture. We believe this will help more local students stay in Hawaii for their education. It offers students the flexibility to do their Bachelor's of Environmental degree or their Masters of Architecture degree out-of-state, yet keep a portion of their education affordable and in state.

We also have a number of staff that have their Masters from various schools throughout the United States and Canada. We believe there is value in having a graduate degree in their training and knowledge base.

We fully endorse the reinstatement of the Masters of Architecture degree at the UHM School of Architecture. Thank you for the opportunity to express our opinion.

Sincerely,

Louis Fung, President | Fung Associates, Inc.
2013 President | AIA Honolulu Chapter
2016 Louise Blanchard Bethune Fellow | AIA Strategic Council
2016-2018 President | AIA Hawaii State Council
2019-Present Member | UH SOA Advisory Council

Tonia Moy, Vice President
MARCH, UHM School of Architecture
Fung Associates, Inc.
2020-Present Member | UH SOA Advisory Council



Architects Hawaii Ltd.
733 Bishop Street, Suite 3100
Honolulu, Hawaii 96813

808.523.9636
www.ahldesign

David A. Miller AIA, LLDP AP
Bettina Mehnert FAIA, LEED AP
William A. Brizee AIA, LEED AP
W. Terry McFarland AIA, IFFD AP
Emile C. Alano AIA, IFFD AP
Lisa Y.T. Rapp AIA, LEED AP
Lester H. Ng LEED AP
Nathan Saint Clare AIA
Myles M. Michibata AIA, LLDP AP

Jean-Louis Loveridge LEED AP
Garret S. Horimoto RA
Michael G. Kim IFFD AP
Daniel B. Moats LEED AP
Ethan J. Twer AIA
Brad K. Inovejas AIA, LEED AP
Jeffrey L. Lee AIA, IFFD AP
Katie Stephens AIA

Cynthia M. Work RA, LEED AP
Sara B. Belczak IIDA, ASID
Daniel S. Funakoshi CPA
Charles H. Nishimoto AIA, LEED AP
Raymond N. Okamoto CSI
Joel L. Ganotisi RA, IFFD AP
Keane K. Kakuda AIA, IFFD AP
Mariel M. Moriwake AIA, LEED AP
Colette Abe Lee IIDA, LEED AP
James Neu-Wa O'Neill Assoc. AIA
Ina Wong AIA, LLDP AP
Frederick Hong AIA, LEED AP
Deirdre Stearns AIA, LEED AP

March 23, 2021

Dean William R. Chapman
University of Hawai'i at Manoa
School of Architecture
2410 Campus Road
Honolulu, HI 96822

Aloha Dean Chapman,

We are writing to you in support of the Master of Architecture (MArch) program at the University of Hawaii at Manoa.

Reinstating the MArch degree would allow the UH School of Architecture to preserve the BEnvD and DArch degrees currently in place, while providing an option for an advance professional Architecture degree.

With the current BEnvD program in place, the MArch program will allow students of the BEnvD program to obtain an additional professional degree in 2 years, should they want to further their education, without having to complete the lengthy research project required in the DArch program. While the DArch program is the logical path for many students, particularly those looking ahead to a research or academic profession, the MArch program would offer an opportunity to obtain additional focused studies and an advance degree that is more obtainable due to financial and time commitments, and that would provide them with additional skills and tools to utilize in their career.

The MArch program also offers students with a non-Architectural Bachelor's degree (BArch) an opportunity to pursue obtaining an advanced architectural degree, creating a more diverse and broadly developed group that would be available to the Hawaii professional scene.

Here at AHIL, we have several employees who are a product of the JH MArch program, and we appreciate the skills that they have brought to our firm and profession. Signed below, we readily endorse the reinstatement of the MArch program at the University of Hawaii at Manoa.

Sincerely,

Bettina Mehnert, FAIA, LEED AP
President & CEO

David A. Miller, AIA, LEED AP
Chairman & Principal

F. SoA MArch Program Supplemental Information for Admission Form:

University of Hawai'i at Mānoa
SCHOOL OF ARCHITECTURE
Master of Architecture (MArch)
Supplemental Information for Admission

Name (Mr. / Ms. / Mrs.) (please print) _____

Phone _____ Email _____

UH System Application form being submitted for entry to MArch in: Fall 20_____

SUPPLEMENTAL DOCUMENTS (*become the property of the School of Architecture*):

- 1. Statement of Interest:** An essay of approximately 500 words addressing the following:
 - ∇ Why do you want to study at UHM School of Architecture?
 - ∇ What are your goals and expectations from study in the MArch program?
- 2. Resume:** A listing of educational background, professional experience or internships, and educational and/or professional awards and honors, including any volunteer or community service. Other relevant experiences or skills as may be appropriate.
- 3. Portfolio:** 8.5" x 11" is preferred size; not to exceed 11"x14"
Portfolio should include samples of creative and professional work, such as art or craft work, construction work, graphic design, computer aided design, poetry, photography, examples of architecture or related disciplines that exhibit graphic or written creativity, or any other creative work.

Portfolio submission must be in **PDF format as ONE multiple-page PDF document at 300 dpi, not to exceed 20 MB in file size.**
- 4. Letters of Recommendation:** Three letters of recommendation endorsing your potential to succeed in a rigorous professional architecture program. Please be sure to have the recommender clearly identify you as the student for whom the letter is being written. We recommend that at least two of the three letters of recommendation be written by former undergraduate program faculty members.

SUBMISSION OF SUPPLEMENTAL DOCUMENTS:

Supplemental documents, 1 thru 4, to be uploaded to the Graduate Application Supplemental Documents site at <https://documentupload.manoa.hawaii.edu/upload/#/login>

Please provide the link to the authors of your letters of recommendation to upload letters directly to the site. Letters should not be submitted by the applicant.

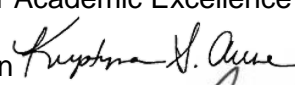
Hardcopy submittals of recommendation letters should be signed across the sealed envelope flap and mailed to: University of Hawai'i at Mānoa School of Architecture, MArch Admissions Committee, 2410 Campus Road, Room 202, Honolulu, Hawaii 96822-2216

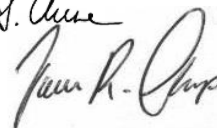


MEMORANDUM

July 1, 2022

TO: Laura E. Lyons, Interim Vice Provost for Academic Excellence

VIA: Krystyna Aune, Dean, Graduate Division 

FROM: Bill Chapman, Interim Dean, School of Architecture 

SUBJECT: REQUEST TO RETROACTIVELY TERMINATE THE BACHELOR OF ARCHITECTURE (ARCH-BARCH) DEGREE AND MASTER OF ARCHITECTURE DEGREE (ARCH-MARC)

SPECIFIC ACTION REQUESTED:

It is requested that the Bachelor of Architecture and Master of Architecture degree programs be retroactively terminated to accurately reflect their actual statuses as indicated in the 1999 BOR minutes approving the Arch.D program.

RECOMMENDED EFFECTIVE DATE:

ARCH-BARCH: Spring 2008 (200830)

ARCH-MARCH: Fall 2006 (200710)

BACKGROUND:

In Fall 1999, the School of Architecture restructured their degree programs by establishing the Architecture Doctorate (Arch.D.) program. The new program was to replace the Bachelor of Architecture and Master of Architecture degree programs. The doctorate degree received Board of Regents approval on February 19, 1999.

The proposal submitted to the Board of Regents, included the following language:

The program would replace the current five-year baccalaureate (B.Arch.) program and the two to four-year master's (M.Arch.) program.

Although the language implied the programs termination, it has come to our attention that both former programs were not terminated in the former student information system (ISIS). As a result, they were also not made inactive in the Banner student information system.

Memo To Laura Lyons, Interim Vice Provost
July 1, 2022
Page 2

Based on research by the university registrar, director of program development and review, and IRAO we were unable to locate the termination memos, with exception to the Board of Regents minutes and email communications discussing implementation of the D.Arch. The 1999-2000 university catalog makes mention that B.Arch and M.Arch will be “Gradually replaced with a professional architecture doctorate program” and that students should reach out to the school for further details. The last time the programs appeared was in the university’s catalog was in the 2005-2006 edition.

In order to move forward with the implementation of the new M.Arch program, the ARCH-MARC program code will need to be retroactively terminated. Based on student enrollment and degree records, the last student withdrew from the program in Fall 2006. There were no further enrollments after this term.

Additionally, as the ARCH-BARCH program falls into this same issue, the old program code will need to be retroactively terminated to make sure that the student information system accurately reflects the program’s status. The last student graduated Spring 2007 and the last student enrolled Fall 2007.

Once approved, the university registrar will work with IRAO and Banner Central to terminate both former programs. This memo will then supplement the 1999 BOR minutes, the memo recreating the new masters in architecture, and the STEM CIP updates for the doctoral degree and new masters.

ACTION RECOMMENDED:

It is recommended that the Bachelor of Architecture and Master of Architecture degree programs be retroactively terminated to accurately reflect their actual statuses as indicated in the 1999 BOR minutes approving the Arch.D program.

APPROVE/DISAPPROVE:

*Per OVPAS and IRAO, this is an administrative clarification and can be approved by the VP AE.



Laura E. Lyons, Interim Vice Provost for Academic Excellence Date July 11, 2022

Attachments

- Restructuring of the Architecture Degree Program Documents
- 1999-2000 University Catalog Page
- 2005-2006 University Catalog Page

cc: April Quinn, Director of Program Development and Review
Pheng Xiong, University Registrar



UNIVERSITY OF HAWAII

OFFICE OF THE
SENIOR VICE PRESIDENT, UNIVERSITY OF HAWAII AND
EXECUTIVE VICE CHANCELLOR, UNIVERSITY OF HAWAII AT MĀNOA

March 31, 1999

MEMORANDUM

TO: Dr. David Robb, Director
Office of Admissions and Records

FROM: Thomas T. Bopp
Assistant Vice President
for Academic Affairs *T.T. Bopp*

SUBJECT: Restructuring of the Architecture Degree Program

This is to inform your office of the establishment of a new Architecture Doctorate (Arch.D.) program in the School of Architecture, effective Fall 1999. This new degree program replaces the baccalaureate (B.Arch.) and master's (M.Arch.) programs. The Board of Regents approved the establishment of the Arch.D. program during its meeting on February 19, 1999. The appropriate pages from the Board minutes are attached. Please have the necessary changes made to ISIS.

If you have questions about this, please contact me at 68447 or tboop@hawaii.edu.
Mahalo.

Attachment

c: Dean Raymond Yeh (without attachment)
Associate Dean Peter Garrod (without attachment)
✓ Registrar Jan Joyer (with attachment)

Restructuring of the Architecture Degree Program, School of Architecture,
Mānoa Campus

Senior Vice President Smith recommended restructuring the Architecture Degree Program in the School of Architecture, University of Hawai'i at Mānoa.

The University of Hawai'i School of Architecture aspires to be an international center for professional architecture education. The School, though small in size, has a diverse and outstanding faculty. The students are among the very best at the University. The School has the strong support of the professional community which provides substantial opportunities for learning in the professional offices. The School has the unique setting to prepare its graduates for the unparalleled international practice opportunities in the Asia/Pacific region due to the geographical location and multicultural population of Hawai'i.

Traditionally, architectural education has been a sequential learning process whereby architectural programs emphasize formal aspect of education and leaving professional training to the professional offices after graduation. The State of Hawai'i, similar to all other states, currently requires an architecture graduate with a five-year B.Arch. to serve a minimum of three years as an intern before taking the licensing examination to be qualified as a professional architect. For a graduate with an M.Arch. degree, the current internship requirement is two years. The total minimum time required for formal schooling and the internship is eight years and often lengthened to over ten years. The national passing rate of the professional examination for all the graduates, after multiple attempts, is less than 50%. This means that currently, one of two of our graduates will never become an architect.

The School has proposed to rectify the waste of human and program resources by offering an innovative curriculum which integrates the education and training elements within the professional program through the assistance of the professional community in Honolulu. The curriculum also incorporates international learning experience for our students through exchange programs with foreign and other American universities overseas and professional offices in several major cities in the Asia/Pacific region. The proposed program reduces the boundary between the classroom and the professional settings. It also has an international, cross-cultural learning focus well beyond what is possible in our existing degree programs.

The new Arch.D. Program would be a professional doctorate degree program in architecture similar to that of a Juris Doctor in Law. This program would replace the current five-year baccalaureate (B.Arch.) program and the two to four-year master's (M.Arch.) program. The program would require 212 credits including a thesis and take approximately seven years to complete. The program has the flexibility of allowing students to enter another field at the end of four years with a baccalaureate degree if he or she finds that architecture is not a desirable career path.

The new program, incorporating substantial professional practice experience, can shorten the total amount of time required to take the architectural licensing examination which currently is a minimum of eight years and is often lengthened to over ten years including formal education and internship. It will also increase the student's chance of passing the examination of which the current rate is less than 50% nationally.

The new program is superior to the existing programs in content and delivery because:

- It more fully integrates liberal and professional education with professional practice and international experience in preparing our graduates for future professional challenges in architecture particularly in the Asia/Pacific region.
- It incorporates, with the assistance of professional offices in Honolulu and abroad, substantial practical training required for professional licensure, with quality control well beyond what is currently possible.

The proposal has the endorsement of the Honolulu Chapter and the State of Hawai'i Council of the American Institute of Architects. It has been recommended for approval by the School of Architecture dean and faculty, the Graduate Council, the Mānoa Faculty Senate, and the System Academic Affairs Council.

Beyond the minimum one-time costs of converting to the new program, the additional teaching resources for the new program will largely come externally from the support of the professional community in Honolulu to provide learning opportunities in professional offices. Over the next year, the School will seek to double the number of non-paid adjunct professors who are practitioners in the community serving as instructors for our students. The new program anticipates an increase of applicants from out-of-state, foreign and professional practice sectors who will find the curriculum attractive for their needs and will bring additional revenues to the School. The new tuition structure for the program is currently being considered. For the next academic year, the tuition will remain the same. Initially, the program will only accept students into its last two years in which graduate tuition will be charged.

Regent McElrath moved to restructure the Architecture Degree Program in the School of Architecture, University of Hawai'i at Mānoa, effective Fall of 1999, subject to the Regents' policy on provisional academic programs, as presented in President's Memorandum No. 65 (Agenda), Item A-2, dated February 19, 1999. Regent Yao seconded the motion which was carried unanimously.

Date sent: Fri, 16 Jul 1999 16:17:38 -1000
To: <jjoyer@mail.admrec.hawaii.edu>
From: Judy Shishido <jas@hawaii.edu>
Subject: Re: (Fwd) Re: Arch.D degree
Copies to: AILEEN@mail.admrec.hawaii.edu, JHEU@mail.admrec.hav

Hi Jan,

Thanks for your emails! We're going to proceed with coding this as a first professional in SIMS and SIS and modify later if necessary. Please see [] below for SIS/SIMS codes.

Thanks very much for your help!
Judy

At 10:32 AM 7/13/99 -1000, jjoyer@mail.admrec.hawaii.edu wrote:

>Hi Judy,
>
>Aileen just let me know that it is okay for ISIS to have just one
>DEGC code for the new Arch.D. Degree. Therefore, please ignore my
>earlier email and use this revised version.
>
>Dr. Bopp notified us (3/31/99) of the new Architecture Degree
>Arch.D. that was approved by the BOR in their February meeting.
>Since then, there has been discussions on how the program would be
>implemented.
>
>At an ISIS meeting last week Dave told Melissa Tome of Graduate
>Division that it was okay to start placing "grad level" Arch.D.
>students into ISIS level 02. These are professionals working in the
>field who already have degrees.
>
>Could you fill in the blanks for SIS and SIMS?
>
>For students seeking Arch.D. degree:
>
>ISIS DEGC.....ARCHD
>ISIS Description.....Architecture Doctorate
>ISIS Abbreviation.....ARCHD
>ISIS Degree type.....D
>ISIS Level.....This field left blank since student can be

>01
or 02.
>
>SIS Ed Objective..... ? [68] -jas
>SIMS Ed Objective.... D (?) [FP] -jas
>-----
>---
>
>The ARCHD will be added to the ISIS Major code:
>
>ISIS PROG.....412
>ISIS Major Name.....Architecture
>ISIS Abbreviation.....Architecture
>ISIS Degree Obj.....BARCH,MARCH,ARCHD
>
>SIS Ed Level.....52 [54] -jas
>SIS Ed Objective..... ? [68] -jas
>SIS Org. Structure....50 (?) yes -jas
>SIS Curr..... ? [287] -jas
>
>SIMS Orgstr..... ? [ARCH] -jas
>SMS Major1..... ? [ARCH] -jas
>
>Thanks, Jan
>
>
>

Date sent: Thu, 22 Jul 1999 11:45:00 -1000
To: JJoyer@mail.admrec.hawaii.edu
From: Judy Shishido <jas@hawaii.edu> (by way of Judy Shishido <jas@ha
Subject: Re: Arch.D degree - chg SIS org from 50 to 15
Copies to: AILEEN@mail.admrec.hawaii.edu, JHEU@mail.admrec.hawaii.edu, L
sharynn@hawaii.edu

Hi Jan,

We had further discussion at IRO. We'd like to change SIS Org
Structure to 15. Sorry for the inconvenience.

Thanks very much!
Judy

At 10:32 AM 7/13/99 -1000, jjoyer@mail.admrec.hawaii.edu wrote:

>Hi Judy,
>
>Aileen just let me know that it is okay for ISIS to have just one
>DEGC code for the new Arch.D. Degree. Therefore, please ignore
>my earlier email and use this revised version.
>
>Dr. Bopp notified us (3/31/99) of the new Architecture Degree
>Arch.D. that was approved by the BOR in their February meeting.
>Since then, there has been discussions on how the program would
>be implemented.
>
>At an ISIS meeting last week Dave told Melissa Tome of Graduate
>Division that it was okay to start placing "grad level" Arch.D.
>students into ISIS level 02. These are professionals working in the
>field who already have degrees.
>
>Could you fill in the blanks for SIS and SIMS?
>
>For students seeking Arch.D. degree:
>
>ISIS DEGC.....ARCHD
>ISIS Description.....Architecture Doctorate
>ISIS Abbreviation.....ARCHD
>ISIS Degree type.....D
>ISIS Level.....This field left blank since student can be 01

or 02.

>

>SIS Ed Objective..... ? [68] -jas

>SIMS Ed Objective.... D (?) [FP] -jas

>-----

>

>The ARCHD will be added to the ISIS Major code:

>

>ISIS PROG.....412

>ISIS Major Name.....Architecture

>ISIS Abbreviation.....Architecture

>ISIS Degree Obj.....BARCH,MARCH,ARCHD

>

>SIS Ed Level.....52 [54] -jas

>SIS Ed Objective..... ? [68] -jas

>SIS Org. Structure....50 (?) yes -jas

please change from 50 to 15 -jas 7/22/99

>SIS Curr..... ? [287] -jas

>

>SIMS Orgstr..... ? [ARCH] -jas

>SMS Major1..... ? [ARCH] -jas

>

>Thanks, Jan

>

>

>

UNIVERSITY OF HAWAII AT MANOA

Office of Admissions and Records
Office of Student Affairs

July 27, 1999

MEMORANDUM

TO: "Admissions" System Table Users
FROM: Aileen Chong *ac*
Assistant Director for Information and Computer Services
RE: Updates to ISIS System Tables

This is to notify you that the following codes have been updated to the appropriate ISIS System Tables.

Table "ACAD" [effective Fall 2000]

<u>Code</u>	<u>Title</u>	<u>Abbrev</u>	<u>Coll</u>
LLEA	LANG & LIT EUROPE & AMERICAS	L&L EUR&AM	10
ORE	OCEAN & RESOURCES ENGINEERING	OC&RS ENGR	11

Table "DEGC" [effective Fall 1999]

<u>Code</u>	<u>Title</u>	<u>Abbrev</u>	<u>Level</u>	<u>SPHF</u>
ARCHD	ARCHITECTURE DOCTORATE	ARCHD	01,02	68

Table "PROG" [effective Fall 1999]

<u>Code</u>	<u>Description</u>	<u>Abbrev</u>	<u>SPHF</u>
412	ARCHITECTURE	ARCHITECTURE	15287, 50287

For Ed Level = (FR, SO, JR, SR, MASTER), DOCTOR;
Ed Obj = (BARCH, MARCH), ARCHD;
Org Structure = (15, 50 [ARCH, MGD])

cc: Dave Robb, Director of A&R	Suzanne Yamashita, IRO
Diane Choy, ITS	Dixie Zee, ITS
Janice Heu, A&R	
Ray Jarman, MGD	Ron Cambra, A&S
Janice Joyer, A&R	Ricky Jacobs, LLL
Victor Kobayashi, Outreach	Gail Koki, FAS
Gwen Naguwa, Med	C. Barry Raleigh, SOEST
Joanne Punu, Law	Raymond Yeh, Architecture
Dennis Taga, CAPIS	

UNIVERSITY OF HAWAII AT MĀNOA

Office of Admissions and Records
Office of Student Affairs

April 15, 1999

MEMORANDUM

To: Tom Bopp
Assistant Vice President for Academic Affairs

From: David Robb *David Robb*
Director of Admissions and Records

Subject: Implementing the ArchD Degree Program in ISIS

This is to inform you that I am unable to implement the ArchD degree in ISIS as requested in your memorandum dated March 31, 1999.

ISIS software has been designed around a set of academic and curricular assumptions that cannot be "re-programmed" at will. Implementing the ArchD program as a "level IV" degree (like law and medicine) will have serious negative repercussions for any student admitted to the program who does not already have a baccalaureate degree.

If I were the King of ISIS, I would make it so. Regrettably, I can't.

We need to talk when you return.

bc: Jan Joyer

July 3, 1999
Per Dr. Robb: Put grad
ARCHD students on
Level 02 for Fall '99

SOST DEGC, MED
DEGC - DEGREE

CONTINUED P110 07/27/99 09:48 A

	DESCRIPTION	ABBREV	TYPE	LEVEL	CODE	SIMS
ARCHD	ARCHITECTURE DOCTORATE	ARCHD	D	6	8F	P
AS	ASSOCIATE IN SCIENCE	A.S.	A	01	97	
BA	BACHELOR OF ARTS	B.A.	B	01	20	
ARCH	BACHELOR OF ARCHITECTURE	B.ARCH	B	01	24	
BBA	BACHELOR OF BUSINESS ADMIN.	B.B.A.	B	01	21	
BED	BACHELOR OF EDUCATION	B.ED.	B	01	22	
BFA	BACHELOR OF FINE ARTS	B.F.A.	B	01	23	
BMUS	BACHELOR OF MUSIC	B.MUS	B	01	25	
BS	BACHELOR OF SCIENCE	B.S.	B	01	26	
BSW	BACHELOR OF SOCIAL WORK	B.S.W.	B	01	27	
CDH	CERTIFICATE OF DENTAL HYGIENE	C.D.H.	C	01	95	
DRPH	DOCTOR OF PUBLIC HEALTH	DR.P.H.	D	02	65	D
EDD	DOCTOR OF EDUCATION	ED.D.	D	02	62	D
GCERT	GRAD CERTIFICATE	GCERT	C	02	87	GS
JD	JURIS DOCTOR	J.D.	D	04	64	FP
MA	MASTER OF ARTS	M.A.	M	02	50	M
MACC	MASTER OF ACCOUNTING	M.ACCTG.	M	02	66	M
MARCH	MASTER OF ARCHITECTURE	M.ARCH	M	02	59	M
MBA	MASTER OF BUSINESS ADMIN.	M.B.A.	M	02	51	M
MD	DOCTOR OF MEDICINE	M.D.	D	04	63	FP

AUGEN,

PLEASE LET LINDA

KNOW THAT THE

NUMBERS ARE INCORRECT.

S/B

LEV

CODE

SIMS

FP

(See attached table)

Thanks,

Duane

7/27/99
12:45

I emailed
Linda to correct
these columns.

school of ARCHITECTURE



Administration

Architecture 201
2410 Campus Road
Honolulu, HI 96822
Tel: (808) 956-7225
Fax: (808) 956-7778

Dean: W. H. Raymond Yeh
Associate Dean: Joyce M. Noe

Faculty

- *W. H. R. Yeh, MArch (Dean)—architectural and urban design
- *J. M. Noe, MDes (Associate Dean, Professional Practice Director)—design, professional practice
- *A. Anderson, MArch—design, history/theory, urban studies
- K. Ashraf, PhD—design, history and theory
- *B. J. Baker, DipArch—design, construction management
- *F. L. Creager, BArch—design, construction materials and technology
- F. Hassenwert, DipArch—design
- *S. A. Leineweber, BArch, MA—design, history of architecture, historic preservation
- *L. K. F. Liu, MFA—design, graphics, vernacular architecture
- *S. Meder, ArchD—design, environmental systems
- *P. Miao, PhD—architectural/urban design, Chinese architecture
- *J. M. Noe, MDesS—design, professional practice
- *J. H. Park, PhD—design, computers
- D. Rockwood, MArch—design, structural technology

- M. S. Sarvimaki, PhD—design, history of architecture
- *J. Sidener, PhD—urban design, graphics

Affiliate Faculty

- J. A. Dator, PhD—political science
- K. E. Kim, PhD—planning
- R. Y. Kwok, PhD—planning
- L. Minerbi, MCD—planning
- J.P. Suyderhoud, PhD—business
- J.R. Wills, PhD—business

Adjunct Faculty

- K. F. Brown, BA—professional practice
- W. W. C. Chong, BArch—professional practice
- D. Chun, MArch—professional practice
- G. Clement, MArch—professional practice
- J. P. Cramer, BS—professional practice
- F. Crowell, MArch—professional practice
- J. G. Farrell, BArch—professional practice
- J. J. Ferrara, BFA—professional practice
- R. A. Fielden, ArchD—professional practice
- D. Goo, BArch—professional practice
- R. Green, BArch—professional practice
- R. P. Gronowsky, MSArch—professional practice
- F. S. Haines, MArch—professional practice
- N. R. Hale, BArch—professional practice
- J. X. Ho, MArch—professional practice
- R. Hobbs, MS—professional practice
- S. S. Huh, MArch—professional practice
- J. Jonassen, MArch—professional practice
- L.T. May, BLA—professional practice
- K. Mitchell, BArch—professional practice
- D. Mitsunaga, ArchD—professional practice
- F. S. Oda, ArchD—professional practice
- M. T. Okada, BArch—professional practice
- T. Okamoto, MArch—professional practice
- V. Olgyay, MArch—professional practice
- P. Onishi, BArch—professional practice
- K. S. Park, MArch—professional practice
- D. Parker, DipArch—professional practice
- C. S. Sakata, ArchD—professional practice
- J. Sheehy, MArch—professional practice
- H. T. Shen, BS—professional practice
- W. C. Steward, MS—professional practice

Contents

General Information	77
Description	78
Curriculum Uniqueness	78
Pre-Professional Double Major	79
Faculty Resources	79
Program Admission Options	79
Admission Requirements	80
Advising	80
Program Requirements	80
Additional Information	81
Student Organizations	81
Honors and Awards	81

B. T. Takahashi, MArch—professional practice
 C. M. Torigoe, BArch—professional practice
 B. E. Uyehara, MArch—professional practice
 E. Watanabe, BArch—professional practice
 J. R. White, MArch—professional practice
 D. W. Winey, BArch—professional practice
 C. S. Won, BArch—professional practice
 K. K. M. Yeang, PhD—professional practice

General Information

Introduction

The study of architecture develops intellectual, professional and creative skills, and knowledge in the design of form and space together with the integration of construction technology. Architectural studies offer students the opportunity to generate physical solutions to difficult and complex problems, often with competing economic, social, and political, as well as physical, parameters. The profession of architecture attracts those who have a wide range of interests and skills and wish to make a unique contribution to society.

To accommodate a broad range of student backgrounds, the school offers an Architecture Doctorate (ArchD) as a professional degree. This program fulfills the academic requirements for licensure in the profession of architecture and is the only such degree program in the state of Hawai'i.

Mission and Goals

The primary mission of the School of Architecture at UH Mānoa, is to offer the highest quality architectural education to prepare students to be ethical and humane professionals, with a desire for life-long learning, a commitment to excellence, and the aspiration to be contributing members of society.

The academic program of the School of Architecture offers opportunities to focus on meeting the special needs of Hawai'i, Asia and the Pacific Region. The school strives to be the center for the study of Asia-Pacific architecture, committed to the aggressive pursuit and establishment of the knowledge base for this regional architecture, and to effectively disseminate the accumulated knowledge to the students, the professional community, and the public at large. The school has the distinction of producing graduates who are competent practitioners, especially equipped to meet the architectural challenges of Hawai'i, Asia and the Pacific region.

Existing Programs

The School of Architecture offers a professional Architecture Doctorate (ArchD) degree program to new students in addition to maintaining the existing Bachelor of Architecture (BArch) and Master of Architecture (MArch) degree programs for only students currently enrolled.

The five-year Bachelor of Architecture program, the variable length Master of Architecture program, and the new seven-year program, which currently awards an accredited BArch degree as well as an ArchD degree meet all the national accreditation standards of the National Architectural Accrediting Board

(NAAB) and are accredited by NAAB for the maximum six-year term.

The professional ArchD program is unique in the nation and graduates of this program are granted a BArch degree as well as the ArchD degree, required until NAAB recognizes the latter along with BArch and MArch degrees. The 1998 NAAB Conditions and Procedures that are currently under revision state:

“In the U.S., most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a five-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Master degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.”

Description

The Architecture Doctorate (ArchD) is a 212-credit program which can be completed in six to seven years. The curriculum carefully integrates off-campus professional practice training and overseas cross-cultural experience within the comprehensive academic program.

The ArchD program consists of three segments. The first three-year segment is Pre-Professional Studies, the second segment is a Transition year, and the third three-year segment is Professional Studies. The Pre-Professional segment addresses the UH Mānoa interdisciplinary arts core requirements along with the study of architectural design principles and applications. The Transition year connects the Pre-Professional and the Professional Studies. The Professional segment continues the study of architectural design principles and applications including a number of elective courses. It provides the students opportunities for overseas studies and involves them in the professional practice of architecture which incorporates real-time experience in architectural firms. Culmination of the individual student's experience is a doctoral project in the final year of the program. With careful planning and full utilization of the summers and/or prior university education, the seven-year program may be completed in less time.

Curriculum Uniqueness

This curriculum is unique in the following ways:

Practice Integration

The practice of architecture is a programmatic requirement in this integrated curriculum. Every student will have one to two years of architecture office experience, which may be applied toward the training requirements necessary for the licensure in the U.S. The practicum curriculum incorporates



substantial professional practice elements with the required courses and experience in professional firms. Students are placed in architectural firms in Honolulu and abroad who have Asia Pacific experience. Principals serve as adjunct professors who are responsible for student's learning and training, which is non-compensated and based in part on current guidelines and core competencies for licensure developed by the National Council of Architecture Registration Boards (NCARB) for the Intern Development Program (IDP).

International Practice Opportunities

The program offers opportunities for international studies and practice through exchange programs and professional experience where students can study and/or practice abroad as part of the program. Through the School's overseas studies program and exchange agreements with a number of leading international architectural firms and universities in the Asia/Pacific region, all students are expected to participate in an international study program prior to graduation.

Design Studios

ArchD graduates will have fourteen (14) Architecture studios (including a comprehensive design project, a practicum and an ArchD project). A student can select from a number of advanced design studios that deal with the critical current issues of our civilization with the Asia Pacific Region. This provides students with opportunities and time to develop and synthesize a broad range of professional knowledge to apply to their future architectural practice.

Elective Courses

Students have the opportunity to take a number of elective courses or professionally related topics from business, planning, computers, design technology, Asia/Pacific studies, and other relevant contemporary issues. These courses are taught by the diverse faculty of the school, which include adjunct and affiliate faculty members from other areas of UH

who make a special effort to address the needs of our students. These provide a broad knowledge base for the students as they address the future challenges of the profession.

Pre-Professional Double Major

The program provides opportunity for students to have a double major. At the end of the fourth year, a student is eligible to graduate with a Bachelor of Arts degree in Interdisciplinary Studies from the Colleges of Arts and Sciences. Those who continue and successfully complete the 212-credit program are awarded the Architecture Doctorate (ArchD) as the first professional degree.

Faculty Resources

The school has a diverse and outstanding faculty with substantial professional practice experience. This faculty is supplemented by adjunct and affiliate faculty who are distinguished faculty members in related disciplines at UH and internationally known professionals and specialists around the world. The off-campus faculty are linked to the school through electronic communication technologies.

Program Admission Options

The ArchD program offers interested students and professional practitioners a range of entrance opportunities. Students with or without an architectural background, including those with prior degrees, may enter into the program at a level appropriate to their backgrounds. Licensed architects may also enter at an advanced level consistent with their backgrounds to earn this new degree. All candidates for the ArchD degree must spend a minimum of one year in the program on campus, which includes the completion of an ArchD Project.

Admission Requirements

The school accepts students as transfers from other divisions of UH or other colleges, including those who have a previous degree in another discipline, and licensed professionals. However, because there are far more applicants than can be accommodated, admission requirements and screening procedures are more restrictive than those for other divisions at UH Mānoa.

High school students planning architecture as a career are advised to take four years of English and mathematics (including algebra, geometry, analytical geometry, and trigonometry), plus art, chemistry, physics, freehand and mechanical drawing, public speaking, information and computer science, history, geography, and at least two years of a foreign language.

Acceptance to the school is based on various criteria, including previous academic performance, SAT or ACT scores, grade point average, types of courses previously taken, and related professional experience of the students.

Application Procedures

New students, transfers from UH community colleges and other universities, other degree holders and licensed architects, must submit a completed UH School of Architecture/System application with all required enclosures no later than the published deadlines.

Write, phone, or e-mail the School for the admission application form or for further information.

Application Deadlines

Applications should be submitted directly to the School of Architecture by **March 1** for the fall semester and by **September 1** for the spring semester. We will continue accepting applications until May 1 for fall semester and November 1 for spring semester. Applications should be sent in early for the best advantage. Most decisions are made by mid-April for the fall semester. After the deadlines, applications will be considered on a space-available basis.

Advising

Academic advising may be arranged for prospective students by contacting the school office.

New Students

Students who have been accepted into the School of Architecture must meet with the Associate Dean prior to registration. New students are expected to attend the school orientation usually scheduled in early August.

Continuing Students

All architecture majors who have yet to complete ARCH 302 must meet with a faculty adviser each semester prior to registering for classes for the following semester.

Graduating Students

Graduating students are required to apply for graduation. Forms are available from the school office.

Program Requirements

General Education Core Requirements

The School of Architecture requires certain core courses as part of the degree requirements for the ArchD. These core requirements have been incorporated into the published degree requirements.

Students who transfer into the architecture program may be required to take additional core courses in order to satisfy the architecture program's major requirements.

School Requirements

- 212 credit hours of course work
- UH Mānoa General Education Core and graduation requirements
- Architecture major requirements noted below
- Cumulative GPA of 2.5 in architecture course work

Major Requirements

General Education Core courses:

- ENG 100
- MATH 140
- HIST 151 and 152
- ARCH 100, 235, 235L, 271 and 272
- ART 1XX/2XX
- One oral communication course
- PHYS 151, CHEM 151
- One approved biological science course, one science lab
- One approved contemporary ethics course
- One approved Hawaiian, Asian, and Pacific issues course
- Second level study of foreign language or Hawaiian language
- BUS 313
- ENG 200, 209, or 225
- Five writing-intensive courses
- ASAN 312 or approved Social Science course

Architecture major courses:

- ARCH 101, 102
- ARCH 200, 201, 202, 218
- ARCH 301, 302, 315, 316, 317, 318
- ARCH 400, 401, 417, 418, 431, 431L, 433, 474
- ARCH 502, 503, 504, 505, 506, 507, 508, 534, 535, 573

Electives:

21 credit hours of approved electives offered and/or approved by the School of Architecture.

Special Requirements

All students are expected to have their own personal computer for studio and class work.

Comprehensive Portfolio Review Requirements

Each student must submit a Comprehensive Portfolio to the faculty for evaluation and approval before continuing to the Professional Architecture segment. Eligibility requirements for the Comprehensive Portfolio submittal include good academic standing and successful completion of the Pre-Professional Architecture program.

The student may advance once the portfolio has been approved. If the portfolio is determined to be marginal, the faculty will require additional coursework.

Other Requirements

Waiver or substitution of any required course must be approved by the Dean or Associate Dean. English as a Second Language (ESL) course work does not satisfy or substitute for the English requirements previously noted.

The School has adopted academic standards that are more restrictive than the general UH standards. Architecture students with a cumulative grade point average (GPA) of less than 2.50 in architecture courses will be placed on probation. If the architecture GPA is not raised to 2.50 upon completion of the probationary semester, or if special conditions that may have been established by the Dean or Associate Dean at the start of that semester are not met, students may be suspended or dismissed from the architecture program. Students who fail to achieve a minimum acceptable grade after repeating any required course can be dismissed from the architecture program. The School of Architecture strictly enforces the UH Mānoa withdrawal deadline.

Transfer Credits

The academic records of successful applicants to the School of Architecture will be reviewed and transfer credits granted as appropriate. Architecture course requirements will be waived only for transfer credits that are deemed equivalent to courses offered by UH. Students may, on occasion, be granted exemption from taking certain UH Mānoa courses based upon previous experiences or studies, but this exemption may not always result in the granting of transfer credits.

Prior to acceptance into the school, the School of Architecture does not formally review in detail applicant's academic record, with regard to granting exemptions or transfer credits.

Additional Information

Specific questions about the Architecture Doctorate Degree program may be directed to the Associate Dean of the School of Architecture.

For information on student loans and scholarships, contact the UH Mānoa Financial Aid Services Office.

Student Organizations

Students are encouraged to participate in the UH Chapter of the American Institute of Architecture Students (AIAS). The organization serves as the school's student government and engages in a number of worthwhile activities. At the national level, the AIAS is one of five organizations participating in the accreditation of architectural programs.

The Gamma Mu Chapter of the Tau Sigma Delta Honor Society includes students who maintain a 3.0 GPA and are at the top twenty percent of their class.

Honors and Awards

Alpha Rho Chi Medal, National Professional Architectural Fraternity Award
 Henry Adams Medal, American Institute of Architects Award
 Henry Adams Certificate, American Institute of Architects Award
 Allen R. Johnson-Roy C. Kelley Architectural Research Travel Scholarship
 David Stringer Fellowship
 School of Architecture Architectural Research Travel Scholarship
 School of Architecture Intern/Travel Scholarship (multiple)
 School of Architecture Architectural Travel Scholarships (multiple)
 School of Architecture International Student Exchange Program (multiple)
 Building Industry Association of Hawai'i Architectural Travel Scholarship
 Building Industry Association of Hawai'i Women's Council Travel Scholarship
 Construction Specifications Institute Architectural Travel Scholarship
 HonBlue Architectural Research Travel Scholarship
 American Institute of Architects Honolulu Chapter/School of Architecture Alumni Association Design Awards for Outstanding Achievement in 100, 200, 300, and 400 level design studios
 School of Architecture Alumni Association Scholarship
 Armstrong Builders Scholarship
 George J. Wimberly Architectural Research Travel Scholarship and Internship at Wimberly Allison Tong and Goo (WATG)

equivalent to courses offered by the University. Students may, on occasion, be granted exemption from taking certain Mānoa campus courses based on previous experience or studies, but this exemption may not always result in the granting of transfer credits.

The School of Architecture does not formally review in detail applicants' academic records with regard to granting exemptions or transfer credits prior to acceptance into the school.

Graduate Program

The master of architecture[†] degree program is intended for those interested in developing a specialization within the field of architecture. The master of architecture degree is offered in both Plan A (thesis) and Plan B (non-thesis, design project) programs. The principal objective of this degree is to prepare students for professional careers in architecture, and all students will be introduced to the professional practice of architecture in the United States. The master of architecture degree usually requires two or more years of study depending on one's prior academic background.

The graduate program offers concentrations in design, construction technology, historic preservation, and housing and community development studies for the Asia Pacific region.

Students enrolled in the Plan B program are expected to focus on the comprehensive design of a major project, addressing the particular and specialized requirements of a specific site and building type.

Admission Requirements

Applications for the master of architecture degree program may be submitted by those who hold one of the following bachelor's degrees:

1. A professional degree in architecture recognized by NAAB.
2. A professional degree in architecture from a foreign university that is not recognized by NAAB.
3. A degree with a major in pre-architecture studies or in a major field of study related to architecture.

4. A degree with no previous course work in architecture.

Candidates in category 1 receive a second professional degree upon graduation. Candidates in categories 2, 3, and 4 receive a NAAB-accredited first professional degree upon graduation.

The school accepts those without previous academic work in architectural studies (application category 4) only if they have satisfactorily completed college-level course work in mathematics (analytic geometry and trigonometry), freehand drawing, and computer applications (introductory level with some programming). Applicants who wish to enter the profession of architecture but do not plan to specialize should consider applying to the bachelor of architecture program as second degree candidates. Category 4 applicants who do wish to specialize are also encouraged to enter the bachelor of architecture program as second degree candidates with the intent of applying later for admission to the graduate program.

Students interested in the graduate program must exhibit the qualifications that indicate probable success in a program of graduate studies. Generally, a cumulative GPA of 3.0 in the last four semesters of their previous academic work or reasonable field experience is necessary. Foreign students must have a minimum TOEFL score of 550.

Application Procedures

Applicants must apply directly for admission to the Graduate Division and must simultaneously submit the following to the School of Architecture:

1. School Supplemental Information Form.
2. Statement of purpose and educational objectives in applying to the graduate program.
3. Express Information Form.
4. Brochure of work consisting of photographs not exceeding 12 x 18 inches (30 x 45 cm). No original work. Applicants should include a stamped, self-addressed envelope if brochure material is to be returned.
5. Three letters of recommendation.

[†] Starting in 1999, the bachelor's program and the master's program in architecture will gradually be replaced with a professional architecture doctorate program. Contact the School of Architecture for details.

Applications will be evaluated on the grounds of academic qualifications and the ability of the School of Architecture to offer sufficient academic resources to meet the applicant's stated goals and objectives.

Application Deadlines

Deadlines for the receipt of completed School of Architecture applications are earlier than the application deadlines established by the Graduate Division. The school must receive applications by **February 1** for fall semester and by **September 1** for spring semester. For foreign students, the application deadline for the fall semester is **January 15**; spring semester, **August 1**.

Program Requirements

School Requirements

Students must satisfy the minimum requirements of the Graduate Division (see "Graduate Education") as well as School of Architecture requirements outlined below.

Admission to Candidacy

Students who are not adequately prepared for graduate studies in architecture will be required to complete additional course work to satisfy the school's undergraduate professional core. The scope of this course work will be determined by a review of the student's academic performance and portfolio. Those who have earned professional degrees in architecture that are accredited by the NAAB will be exempt from this requirement. The undergraduate professional core, preparatory course work normally associated with the bachelor of architecture degree program, currently consists of the following courses: PHYS 151, 152, and 151L or 152L; ARCH 101 or 102, 121, 201, 202, 211, 212, 213, 214, 271, 272, 301 or 361, 302 or 362, 311, 313, 331, 334, 433, and 434.

Students must also pass a comprehensive portfolio review. Where performance on this review is clearly deficient, additional course work may be required. Students who are already licensed to practice architecture in any U.S. jurisdiction are exempt from the comprehensive portfolio review.

Students must have successfully completed the undergraduate professional core and comprehensive portfolio review prior to admission to candidacy.