
*Fairmont
State
University*

Program Review 2012

B.S. Architecture

PROGRAM REVIEW
Fairmont State Board of Governors

Program with Special Accreditation Program without Special Accreditation

Date Submitted 2/15/2012

Program: Bachelor of Science, Architecture
Degree and Title

INSTITUTIONAL RECOMMENDATION

The institution is obligated to recommend continuance or discontinuance of a program and to provide a brief rationale for its recommendation:

- 1. Continuation of the program at the current level of activity;
- 2. Continuation of program with corrective action (for example, reducing the range of optional tracks or merging programs);
- 3. Identification of the program for further development (for example, providing additional institutional commitment);
- 4. Development of a cooperative program with another institution, or sharing courses, facilities, faculty, and the like;
- 5. Discontinuation of the Program

Rationale for Recommendation:

The Architecture program has maintained appropriate enrollments and graduates during the past five years. Classes offered as part of the program average 16 students per class during this same period. The program has redesigned its assessment and continuous improvement plan, and the curriculum is currently being redesigned to reduce the total credit hours required in the major, and to seek national accreditation. This program is highly supported by the Dean of the College of Science and Technology at Fairmont State University.

[Signature]
Signature of person preparing report:

2/15/2012
Date

[Signature]
Signature of Dean

2/15/12
Date

[Signature]
Signature of Provost and Vice President for Academic Affairs:

6-6-12
Date

[Signature]
Signature of President:

6-6-12
Date

[Signature]
Signature of Chair, Board of Governors:

6-6-'12
Date

B.S. Architecture

Five Year Program Review

Spring 2012

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Executive Summary for Program Review

(not to be more than 2-3 pages)

Name and degree level of program:

Architecture: Bachelor of Science

External reviewer(s)

Mills Group Architects: Raymond Greg Eddy, AIA, NCARB; Michael Mills, AIA, NCARB

Synopses of significant findings, including findings of external reviewer(s)

The architecture program is at a significant crossroads. Every reasonable effort needs to be made to implement the M.Arch program and gain NAAB Accreditation. As an accredited, professional degree program, the FSU program can broaden its appeal to students from the entire Mid-Atlantic region, and implement faculty and facility development which will contribute to the real and perceived quality of the institution as a whole.

Plans for program improvement, including timeline

Plans for improvement include revising the program curriculum (pending institutional approval) and developing a professional degree program (pending HEPC approval)

Identification of weaknesses or deficiencies from the previous review and the status of improvements implemented or accomplished

The most recent available program review (1996) states that the greatest weakness of the architecture program is the lack of a professional accreditation by the National Architectural Accreditation Board (NAAB). This remains to be a recognized weakness.

In the fall of 2006 the architecture program changed its degree name from *BSET in Architectural Engineering Technology* to *BS in Architecture*. This step improved the recognition of the architecture program as a pre-professional program by other institutions and the profession.

Beginning in the fall of 2010 the architecture program began the initial steps toward pursuing an accredited degree program. While the necessary approvals are still pending, the following toward accreditation have been taken.

Spring 2011: Application for Eligibility for Initial NAAB Candidacy (awaiting approval)

Fall 2011: Permission from the HEPC to plan a professional program (awaiting approval)

Fall 2011: Revised four-year pre-professional curriculum (awaiting approval)

Five-year trend data on graduates and majors enrolled

Over the past five years, from Spring 2007 –Spring 2011, the architecture program has had an average of 40.2 students in the first semester freshman course ARCH 1130 Architectural History and has graduated 78 students from the Bachelor's degree program.

Over the past five years the number of advisees for architecture faculty have averaged between 80-90 students.

Summary of assessment model and how results are used for program improvement

Student assessment begins in the design studio. In the design studio, student and faculty engage on a one-to-one level that is unique in education, as is the peer-to-peer learning opportunity. Critical thinking skills are challenged, knowledge of history and theory are tested and the ability to present ideas using the most relevant media of the profession is evaluated. Students are assessed through design project presentations, tests and quizzes, research papers and classroom activities. The design studio provides an almost constant state of review on some level by peers, faculty, adjunct faculty and professional juries. It is from the studio that the entire architectural learning environment is cultivated.

Assessment continues through graduate and employer feedback, specifically using the National Council of Architecture Registration Boards (NCARB) formal Intern Development Program (IDP) as a means for evaluating student preparedness for professional practice.

Data on student placement (for example, number of students employed in positions related to the field of study or pursuing advanced degrees)

Over the past five years the Architecture Program has graduated 78 students with a Bachelor's of Science degree in Architecture. Of those graduating in 2010 and 2011, approximately 70 percent are pursuing an advanced degree or are employed in architecture related fields. More specifically, 50 percent are pursuing an advanced degree in architecture and 40 percent are employed in positions related to their field of study. At least two other graduates are pursuing additional undergraduate degrees.

Final recommendations approved by governing board

PROGRAM REVIEW

FAIRMONT STATE UNIVERSITY OR PIERPONT COMMUNITY AND TECHNICAL COLLEGE	
Program:	Architecture
School:	Fairmont State University
Date:	February 23, 2012

Program Catalog Description:

The B.S. in Architecture provides a sound basis for the pursuit of general knowledge and the first phase of a professional education for the general practice of architecture. The four-year program encompasses a foundation core of design, introductory studies in architectural history and theory, and building technology. Advanced design studios address methodology, and technological and theoretical synthesis through applied studies of a wide range of design inquiries and projects. Successful completion of the degree will prepare students to enter the profession at a more advanced level or pursue a graduate degree from an National Architectural Accreditation Board (NAAB)-accredited school of architecture. Graduates with the baccalaureate degree are qualified for entry-level positions such as designer or engineering technician. They may be employed in architectural offices, engineering offices, corporations or businesses which produce their own in-house construction documents, and construction-related fields.

VIABILITY (§ 4.1.3.1)

Enrollments

Applicants, graduates	<p>Report using common data base attached here.</p> <p>The architecture program currently has no special admissions requirements other than those of general admission to the university (see university catalog).</p> <p>The average ACT score of graduates is 21.1.</p> <p>The first semester freshman class has averaged 40.2 students over the past five years (as averaged from first semester freshman courses ARCH 1130, ARCH 1160 2006-2010).</p> <p>BS Architecture graduates for the corresponding period, Spring 2006-Fall 2011, average 15.2 students per year.</p> <p>Graduates of the architecture program should be able to apply creative problem solving skills to a variety of design oriented problems. Graduates should be able to use the most current media of architectural practice to present and communicate ideas critical to the discipline. Graduates should be prepared to begin work in an architecture or related field at an intern level, or gain admittance to a professional program for continuing education.</p>																					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">ARCH Course Number</th> <th>2006-2007</th> <th>2007-2008</th> <th>2008-2009</th> <th>2009-2010</th> <th>2010-2011</th> <th>Total Enrollment over 5 Years</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1130</td> <td style="text-align: center;">33</td> <td style="text-align: center;">37</td> <td style="text-align: center;">40</td> <td style="text-align: center;">50</td> <td style="text-align: center;">41</td> <td style="text-align: center;">201</td> </tr> <tr> <td style="text-align: center;">Graduates</td> <td style="text-align: center;">18</td> <td style="text-align: center;">22</td> <td style="text-align: center;">16</td> <td style="text-align: center;">12</td> <td style="text-align: center;">8</td> <td style="text-align: center;">76</td> </tr> </tbody> </table>	ARCH Course Number	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	Total Enrollment over 5 Years	1130	33	37	40	50	41	201	Graduates	18	22	16	12	8	76
ARCH Course Number	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	Total Enrollment over 5 Years																
1130	33	37	40	50	41	201																
Graduates	18	22	16	12	8	76																

Program courses

Report using common data base attached here.

Five year course enrollment for all
Architecture program courses is provided below:

ARCH Course Number	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	Total Enrollment over 5 Years
1130	33	37	40	50	41	201
1160	38	23	27	22	32	142
2200	13	24	19	21	22	99
2210	14	16	16	19	17	82
2225	16	20	21	23	22	102
2250	19	13	11	16	12	71
3300	15	7	8	16	9	55
3310	19	13	7	7	12	58
3320	15	6	9	16	9	55
3350	19	15	8	7	14	63
4420	19	15	8	7	14	63
4430	13	21	12	6	8	60
4450	18	13	7	7	11	56
4460	16	19	12	10	8	66
4998	0	0	3	3	3	9

A list of course titles and descriptions are provided in Appendix B.

Service courses	<p>Report using common data base attached here.</p> <p>Service Courses Liberal Studies: ARCH 1130 Architectural History I ARCH 1160 Architectural History II</p> <p>ARCH 1130 Architectural History I, ARCH 1160 Architectural History II are required courses for architecture majors.</p> <p>Service Courses BS Family and Consumer Science – Interior Design ARCH 1130 Architectural History I ARCH 1160 Architectural History II ARCH 2200 Graphics, ARCH 2210 Design 1 ARCH 2250 Design II</p> <p>These courses serve as electives for the Interior Design Concentration of the B.S. degree in Family and Consumer Science.</p> <p>See <i>Five year course enrollment for all Architecture program courses</i> table above supporting enrollment data.</p>
Success rates Serv Crs	<p>Report using common data base attached here.</p> <p>The success rates of service courses are based on the number of students completing the course with a letter grade of D or better.</p> <p>ARCH 1130 and ARCH 1160 represent the most widely taken service courses. ARCH 2200, 2210, 2250 represent a comparatively small number of students.</p> <p>Success rates from Fall 2006 through Spring 2011 are as follows:</p> <ul style="list-style-type: none"> ARCH1130 approximately 80%; ARCH 1160 approximately 85% ARCH 2200 approximately 79% ARCH 2210 approximately 90% ARCH 2250 approximately 93% <p>See attached <i>Architecture Grade Counts by Course</i> – Appendix B for supporting data.</p>
ext ed/off campus crses	<p>Report using common data base attached here.</p> <p>During this academic review period there have been no ext ted/off campus courses offered at this time.</p>

cost/student credit hour	Report using common data base attached here.		
	The average cost per Instructional Credit Hour for students in the School of Science and Technology from 2007-08 through 2010-2011 is \$140.91.		
	There is no break down for the Architecture program specifically within the college.		
	College of Science and Technology		
	Academic Year	Total Cost Per Student (FTE) Equivalent	Total Cost per Student Credit Hour
	2006-07	Data Unavailable	Data Unavailable
2007-08	\$5960.33	\$139.13	
2008-09	\$5334.50	\$138.69	
2009-10	\$5511.00	\$142.18	
2010-11	\$5176.94	\$143.65	

Liberal Studies Requirements Met

All four year degree programs at FSU are required to complete the institutional general studies requirements. The Architecture Program requires students to complete these liberal studies requirements based on the criteria listed below.

THE FIRST YEAR EXPERIENCE..... 15-16 HOURS
(To be completed within the first 45 credit hours)
(Students are required to complete all Developmental Skills courses within their first 32 credit hours.)
 ENGL 1104 Written English I #.....3Hrs
 ENGL 1108 Written English II #..... .3 Hrs
 INFO 1100 Computer Concepts & Applications .3 Hrs (or demonstrated competency)
 MATH 1102, 1107, 1112, 1115, 1185, 1190..... 3 - 4. Hours
 COMM 2200, 2201, 2202.....3 Hours

SCIENTIFIC DISCOVERY..... 8 HOURS

CULTURAL/CIVILIZATION EXPLORATION..... 9 HOURS

ARTISTIC / CREATIVE EXPRESSION & INTERDISCIPLINARY / ADVANCED STUDIES OPTION..... 6 HOURS

SOCIETY/HUMAN INTERACTIONS..... 6 HOURS

APPROVED WRITING INTENSIVE COURSE

Total Liberal Studies Credit Hours: 44-45 Hours

Form from Liberal Studies Attached here

Year; Semester or Quarter	Architecture Course (Department, Number, Title)	Category (Credit Hours)		
		Architecture Program Topics	Liberal Studies Requirement	Other
1st Year First Semester	English, 1104, Written English I		X(3hrs)	
	Math, 1101, Applied Technical Math I	X(3hrs)		
	ART, 1111, Art Fundamentals	X(3hrs)		
	Architecture, 1130, Architectural Hist I	X(3hrs)		
	Architecture Elective	X(3hrs)		
	English, 1108, Written English II		X(3hrs)	
	Math, 1102, Applied Technical Math II		X(3hrs)	
	Communication, 2200, 2201, 2202		X(3hrs)	
1st Year Second Semester	Architecture, 1160, Architectural Hist II	X(3hrs)		
	Architecture, 2225, ArchCADD	X(3hrs)		
	Physics, 1101, Intro to Physics I		X(4hrs)	
	Architecture, 2210, Design 1		X(4hrs)	
2nd Year First Semester	Information Systems, 1100, Apps/Conc		X(3hrs)	
	Civil, 2210, Light Construction	X(4hrs)		
	Liberal Studies, Artistic/Creative/Inter.		X(3hrs)	
	Architecture, 2250, Design 2	X(4hrs)		
	Architecture, 2200, Graphics	X(3hrs)		
2nd Year Second Semester	Physics, 1102, Intro to Physics II		X(4hrs)	
	Mechanical, 1100, Statics	X(3hrs)		
	Liberal Studies, Culture/Civilization		X(3hrs)	
	Architecture, 3300, Design 3	X(4hrs)		
3rd Year First Semester	Mechanical, 2200, Strengths of Mat'ls	X(4hrs)		
	Architecture, 3320, Site Planning	X(3hrs)		
	Civil, 2220, Constr. Mat'ls and Methods	X(4hrs)		
	Liberal Studies, Culture/Civilization		X(3hrs)	
	Architecture, 3350, Design 4	X(4hrs)		
3rd Year Second Semester	Architecture, 4420, Urban Design	X(3hrs)		
	Civil, 2290, Intro to Structures	X(3hrs)		
	Liberal Studies, Culture/Civilization		X(3hrs)	
	Liberal Studies, Artistic/Creative/Inter.		X(3hrs)	
	Architecture, 4450, Design 5	X(4hrs)		
4th Year First Semester	Architecture, 3310, Constr. Details	X(4hrs)		
	Architecture Elective	X(3hrs)		
	Liberal Studies, Society/Human Interact.		X(3hrs)	
	Architecture, 4460, Design 6	X(4hrs)	Writing intensive	
4th Year Second Semester	Architecture, 4430, Mech/Elec Systems	X(3hrs)		
	Architecture Elective	X(3hrs)		
	General Elective	X(3hrs)		
	Liberal Studies, Society/Human Interact.		X(3hrs)	

Assessment Requirements

Format developed by Assessment Committee attached here (program goals, assessment, goals being achieved, results for feedback)

In the most general terms, assessment begins in the design studio. The studio is concerned primarily with the process and product of architecture. Because the studio is a place of dialog and contemplation, student and faculty engage on a one-to-one level that is unique in education, as is the peer-to-peer learning opportunity. The experience of wrestling with difficulties and conflicts on the way to producing a very real answer to a question is what architects actually do as they interact with colleagues, clients and the public domain.

Much of what is produced in the studio results in immediate feedback from faculty. Both the qualitative and quantitative aspects of the design process are evaluated. The design studio provides an almost constant state of review on some level by peers, faculty, adjunct faculty and professional juries. It is from the studio that the entire architectural learning environment is cultivated.

The FSU 2006-2011 Strategic Plan, Goal 1, directed each academic program to begin a programmatic assessment plan by developing program outcomes and identifying direct measures of those outcomes. The learning outcomes approach provides for review of individual courses and programs, and provides a means for determining direction or re-direction as necessary. As part of the effort to align the architecture program with the pre-requisite requirements for an accredited professional program, learning outcomes are tied directly to the NAAB perspectives.

Program Learning Outcomes

Upon degree completion, students should be able to:

1. *apply critical thinking skills to creatively solve a variety of design problems with respect to culture, context, systems, materials, sustainable principles, and contribute to the development of new knowledge. (NAAB Perspective A)*
2. *demonstrate how architectural history, theory, and practice may inform design decisions in a diverse, global society. (NAAB Perspective B)*
3. *transition to internship and licensure and gain employment in professional design offices and design and construction-related fields. (NAAB Perspective C)*
4. *assume the role of an architect as a collaborator, communicator, and leader while observing the diverse needs of clients, populations, and communities in a global society. (NAAB Perspective D)*
5. *make informed, ethical, and responsible contributions in a diverse and global society to serve the public good. (NAAB Perspective E)*

Assessment Responsibilities

In addition to the program faculty, program assessment involves the following parties:

Professional Advisory Committee

The professional advisory committee has been a key element in assessment of the pre-professional program. This group composed of practicing architects from the state of West Virginia, full-time program faculty, adjunct faculty, and one lay member meets annually or as needed to discuss the direction for the program. This committee and structure will be used to advise and assess the accredited degree program.

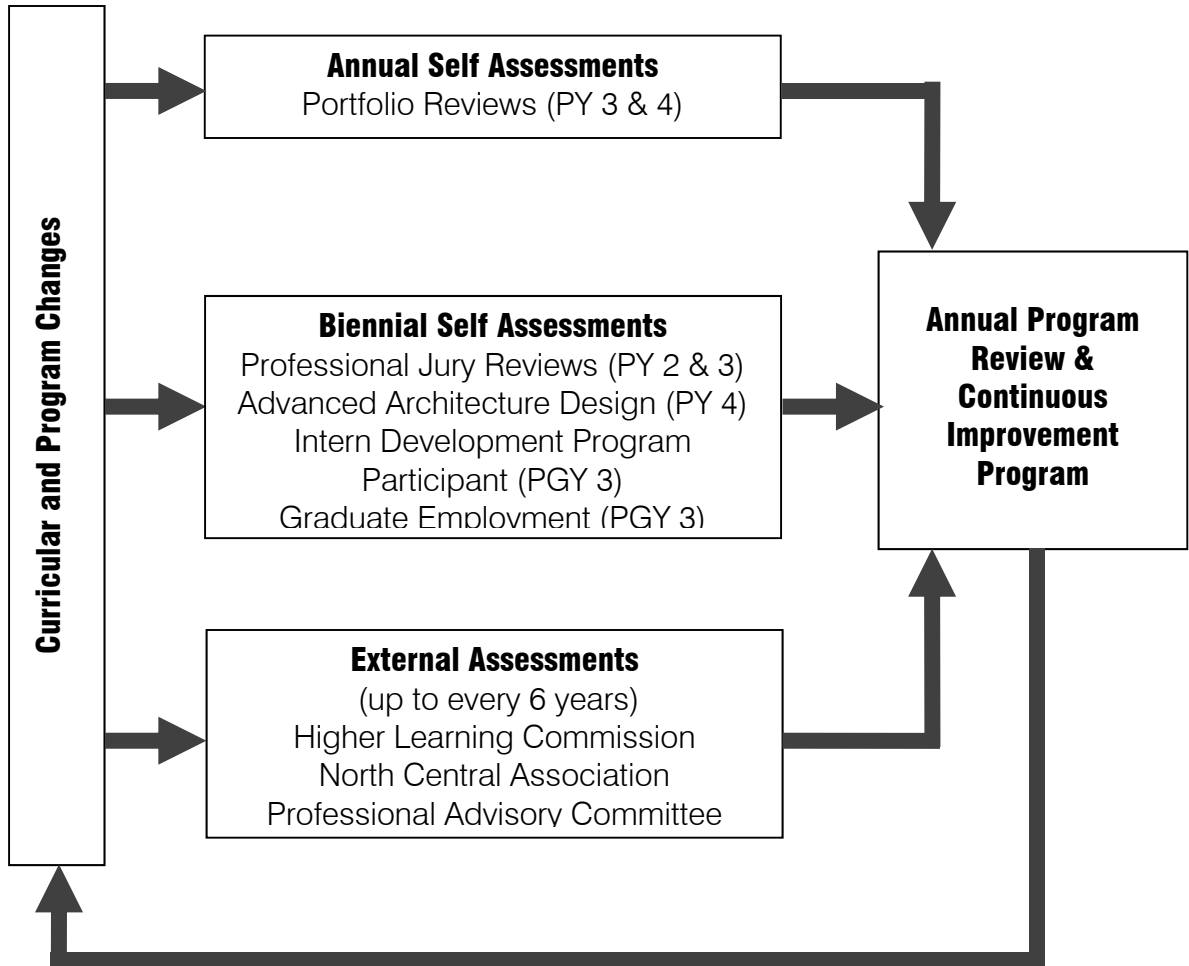
Academic Advisors

Faculty advisors will guide students with respect to courses and external study opportunities, and monitor student progress toward completing the degree.

Professional Juries

Professional juries are conducted by practicing architects who donate their time to critique student work and provide insight based on their experience of the practice of architecture. This is a traditional practice in architecture education.

Assessment Events and Tool



Adjunct use

Report using common data base attached here.

Adjunct faculty have been used almost exclusively for instruction of ARCH 1130 and ARCH 1160. Adjunct faculty have regularly taught architecture elective courses listed as TECH 1199, 2299, 3399 and 4499. Adjunct faculty have also taught ARCH 2200, 2225, 4460 occasionally.

Graduation/Retention Rates

Report using common data base attached here.

Using the first semester freshman course, ARCH 1130 as point of reference, the average entering freshman class is approximately 40 students. Using the corresponding number of BS graduates over a four-year period as a point of reference, graduates number approximately 15 students. The average retention rate over this period is approximately 38%.

ARCH Course Number	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	Total Enrollment over 5 Years
1130	33	37	40	50	41	201
Graduates	18	22	16	12	8	76

Previous Program Review Results

Summaries attached here

The most recent program review available (1996) indicates that the program was identified for further development (for example, providing additional institutional commitment).

The program review stated that the discontinuation of this program would create a serious intellectual, technical and community service vacuum related to architecture and could possibly eliminate any possibility of obtaining a professionally accredited school of architecture for West Virginia.

ADEQUACY (§ 4.2.4.2)

Program Requirements:

Liberal Studies	32-42	_44__hrs	ENGL 1104 – 3 hrs ENGL 1108 – 3 hrs COMM 2200,01,02 – 3 hrs INFO 1100 – 3 hrs MATH 1102 – 3 hrs PHYS 1101 – 4 hrs (Scientific/Discovery) PHYS 1102 – 4 hrs. (Scientific/Discovery) Society and Human Interaction/Interdisciplinary – 6 hrs Artistic/Creative – 6 hrs.. Cultural Civilization - 9 hrs	
Major	32-65	_73__hrs	ART 1111 – 3 hrs ARCH 1130 – 3 hrs ARCH 1160 – 3 hrs ARCH 2200 – 3 hrs ARCH 2210 – 4 hrs ARCH 2225 – 3 hrs ARCH 2250 – 4 hrs ARCH 3300 – 4 hrs ARCH 3310 – 4 hrs ARCH 3320 – 3 hrs ARCH 3350 – 4 hrs	ARCH 4420 – 3 hrs ARCH 4430 – 3 hrs ARCH 4450 – 4 hrs ARCH 4460 – 4 hrs CIVL 2210 – 4 hrs CIVL 2220 – 4 hrs CIVL 2290 – 3 hrs MECH 1100 – 3 hrs MECH 2200 – 4 hrs MATH 1101 – 3 hrs
Electives	min 21	_12__hrs	9 hours of approved architecture electives, 3 hours of approved general electives	
TOTAL	max 128	129__hrs		

Programs not meeting the above requirements must request a continuation of their exception with a justification below:

Faculty Data

<p>Faculty Data Sheets Attached Here Philip M Freeman, Architect, NCARB, Associate Professor of Architecture Kirk L. Morpew, Architect, NCARB, Associate Professor of Architecture</p> <p>See Attached <i>Faculty Data Sheets Appendix A</i></p>

Accreditation/national standards

Executive Summary with date of accreditation attached here

Non-accredited programs report on conforming to national standards

The architecture program is a pre-professional degree and is therefore not eligible for accreditation under the conditions of the National Architectural Accrediting Board (NAAB). As part of an effort to develop a professional degree program that can be accredited by the NAAB, the undergraduate program has undergone a curriculum revision to align it with the Student Performance Criteria used to demonstrate that a graduate should possess the knowledge and skills to meet the minimum demands of an internship leading to registration for practice. This curriculum revision was submitted to the College of Science and Technology in September of 2011.

Compliance with national standards is partially illustrated by the variety of graduating student opportunities in graduate programs in architecture. Students have been accepted with advanced placement in a number of graduate programs and have been accepted to institutions from New York to Hawaii and all points in between.

Additionally, the architecture program has requested permission to plan from the HEPC for a Master of Architecture degree. This degree would be a professional degree using the existing undergraduate program to meet the necessary prerequisites as they pertain to NAAB accreditation.

NECESSITY (§ 4.1.3.3)

Placement and success of graduates

Placement: It is difficult to determine an accurate rate of placement of graduates in architectural and related jobs because very few graduates complete and return our follow-up survey questionnaires.

Comprehensive empirical data on graduates is not available. Information regarding placement, starting salary and number employed is obtained through informal contact between faculty and select employers. According to statistics from the American Institute of Architects (AIA) entry level interns in our region have an average starting salary of \$41,750 annually.

For graduates matriculating to professional degree programs, informal tracking occurs through the process of recommending students for graduate study, and through informal surveys conducted via social media outlets. Of those graduating over the past two academic years, approximately 50% were accepted to graduate programs.

Graduate Status	Number of Architecture Graduates	Number of Graduates Accepted to Graduate Programs.
2009-2010	12	6
2010-2011	8	4

Similar Programs in WV

There are no other four-year pre-professional architecture programs in West Virginia, nor are there any professional degree programs in the state. Since 1981 the architecture program has been the sole source for architectural education in West Virginia. The primary concern of the program is that graduating students eventually become licensed architects.

As a pre-professional program, students must continue their education in a professional graduate degree program. There continues to be a great need for an accredited architecture degree program in West Virginia. The continued enrollment, interest and number of students who leave annually to pursue professional undergraduate and graduate degrees support our goal of developing our program as an integral part of an eventual accredited professional degree program at Fairmont State.

West Virginia currently spends thousands of dollars per year reimbursing the academic common market for West Virginia students who must leave our state to pursue an accredited degree in architecture as required by the West Virginia Board of Architects in order to be a licensed architect in the state.

CONSISTENCY WITH MISSION (§ 4.1.3.4)

Explain how this program fits into the mission of the institution. Identify the relationship of this program to other programs at the institution, especially in terms of mutual support (e.g. shared faculty, shared facilities, shared course requirements for external program accreditation).

Broadly speaking, the university catalog states that the mission of Fairmont State is to provide opportunities for individuals to achieve their professional and personal goals and discover roles for responsible citizenship that promote the common good. Specifically, the mission is to provide programs needed by those in its geographic service area.

The architecture program is designed to address conditions that distinguish the character of the surrounding environment and its people. The key components of this program tend to address the built environment of the American small city and the regional uniqueness of their surroundings. All required courses are unified by the common thread of sustainable principles and community considerate design.

The program is uniquely housed in the School of Science and Technology where we rely on faculty from allied disciplines to teach certain technical courses such as MECH 1100, 2200 and CIVL 2290. We share facilities in the Engineering Technology building and Hunt Haught Hall.

The program has relied for many years on the School of Fine Arts to provide the variety of architecture electives. Required courses in architectural history and design fundamentals are taught by fine arts faculty. The school of fine arts has provided exhibition and lecture opportunities for the program. A member of the architecture faculty has been on the artist in residency committee since its inception. As the National Architectural Accrediting Board is the sole agency for architecture program accreditation, there are currently no shared requirements for external program accreditation.

The program has strong ties to the community. This is partly due to the professional advisory committee, composed of practicing architects from our region. The advisory committee provides input critical to aligning the architecture program with current trends and expectations of the profession.

The Fairmont State chapter of the American Institute of Architecture Students (AIAS) provides educational experiences and opportunities outside of the classroom. Over the past five years the students have traveled to San Francisco, New York City, Boston, Chicago, Pittsburgh and Washington DC. The organization also focuses on community outreach. Over the past five years the organization has been the largest donor of non-perishable food items to the Fairmont Soup Opera.

Freedom by Design, a component of the AIAS, has worked with community groups to provide accessibility assistance for those with disabilities. Most recently, the group designed, built and donated accessible outdoor furniture to a local assisted living facility.

Signatures and Recommendations

The required sheet with signatures and recommendation should be used as a cover sheet.

Appendix A
Faculty Data Sheets

Name: Kirk Morphew, RA, NCARB, Associate Professor of Architecture

Courses Taught: (Two academic years prior to review)

ARCH 2210 Design I
ARCH 3350 Design 4
ARCH 4460 Design 6
ARCH 3320 Site Planning
ARCH 4420 Urban Design/Preservation
CIVL 2210 Light Construction
TECH 2299 Portfolio 1
TECH 3399 Portfolio 2

Educational Credentials:

AS, Building Construction Technology, Central Florida College, 1981
AA, Liberal Arts, Santa Fe College 1982
BS, Sciences Interdisciplinary, University of West Florida 1984
M.Arch, Virginia Tech, 1990

Teaching Experience:

Instructor of Architecture, Fairmont State University, 1991 -1995
Assistant Professor of Architecture, Fairmont State University, 1995 -1997
Assistant Professor of Architecture, Fairmont State University, 2000 - 2003
Associate Professor of Architecture, Fairmont State University, 2003 - present

Professional Experience:

Draftsman, James Tatom Architect, Ocala, FL , 1980-1981
Draftsman/Estimator, Amspacher & Amspacher Architects, Pensacola, FL, June 1984-1986
Estimator, Larry Hall Construction, Pensacola, FL, 1986
Project Manager, CRG'd Architects/Planners/Interior Designers, JAX/Ocala, FL , 1987-1988
Project Manager, Robert Winthrop & Associates, Farmville VA, 1997-1999
Project Manager, Blackwood and Associates, Fairmont, West Virginia, 1999-2000

Licenses/Registration:

NCARB certification: 55964
Licensed Architect in Commonwealth of Virginia: 011251

Selected Publications and Recent Research

In Defense of Architecture: Intention, Meaning and Place, 2002 Presidential Lecture, FSU
Existential Phenomenology in the Curriculum of the Architectural Design Studio (paper for WWU 1994)
In His Dream Time He Walked (Fairmont State Publication: Cold Fire, 1991)

Professional Memberships:

American Institute of Architects (2002 – 2009)
West Virginia Society of Architects (2002 – 2009)

Name: Philip M Freeman, Architect, NCARB, Associate Professor of Architecture

Courses Taught: (Two academic years prior review)

ARCH 2200 Graphics
ARCH 2225 Architectural CADD
ARCH 2250 Design 2
ARCH 3300 Design 3
ARCH 3310 Construction Details
ARCH 4430 Mechanical and Electrical Systems
ARCH 4450 Design 5
ARCH 4498 Undergraduate Research

Educational Credentials:

BSET Architecture, Fairmont State College 1993
M.Arch, Virginia Tech, 1997

Teaching Experience:

Instructor of Architecture, Fairmont State University, 1997 -1998
Assistant Professor of Architecture, Fairmont State University, 1998 – 2000; 2003 - 2009
Associate Professor of Architecture, Fairmont State University, 2010 - present

Professional Experience:

Technician, Stanley Industries Inc., Bridgeport, WV 1993-1995
Intern Architect, WYK Associates, Clarksburg, WV, 1998-1999
Intern Architect, LD Astorino, Pittsburgh, PA, 2000-2001
Intern Architect, WYK Associates, Clarksburg, WV, 2001-2002
Head of Design, WYK Associates, Clarksburg, WV, 2002-2005
Owner, Philip M Freeman, Architect, Bridgeport, WV, 2005 - present

Licenses/Registration:

NCARB certification: 60290
Registered Architect: West Virginia 3689

Selected Works and Recent Research

“Small Changes for a Large Impact”– Faculty Mentor, Undergraduate Research Grant, 2007-2008 FSU
“Between Art and Architecture” - Faculty Mentor, Undergraduate Research Grant, 2008-2009 FSU
“Small Changes for a Large Impact- Applications”– Faculty Mentor, Undergraduate Research Grant, 2009
“The Romanian Home” – Faculty Mentor, Undergraduate Research Grant, 2010 FSU
Premier Medical Group Urgent Care Facility, 2008 - 2009, Architect
Premier Medical Group Office Complex, 2009, Architect

Professional Memberships:

American Institute of Architects (1998 – 2008)
West Virginia Society of Architects (1998 – 2008)

Appendix B
Course Data and Course Description Sheets

Architecture Grade Counts by Course

Sum of GRADE_COUNT	CRSE_NUM B	GRAD E									Grand Total
		A	A U	B	C	D	F	FI W	I	W	
SUBJ_CODE											
						1	2			2	
ARCH	1130	101		48	21	5	3		1	7	236
	1160	63		36	15	6	7		3	1	141
	1199	2									2
	2200	26		28	11	3	8			2	98
	2210	53		25	16	5	3	1		7	110
	2225	34		25	11	7	6		1	8	102
	2250	23		28	13	2	3			2	71
	3300	29	1	28	7	8	1			2	76
	3310	18		37	14	2	1			1	73
	3320	22		35	13	1	1		1	2	75
	3350	24		24	6	3	4			2	63
	4420	19		23	12	2	5			2	63
	4430	9		22	22	4	1				58
	4450	23		33	12	1	1			1	71
	4460	23		23	13	1					60
	4998	9									9
ARCH Total		478	1	415	186	70	64	1	6	7	1308
Grand Total		478	1	415	186	70	64	1	6	7	1308

The Architecture Program offers the following program courses:

**Architecture
(College of Science and Technology)**

ARCH 1130 S-FSU Architectural History I.....3 hrs.
This course covers architectural history from prehistoric times through the Gothic period. The emphasis will be on the historical, social and technological factors behind the structures discussed.

ARCH 1160 S-FSU Architectural History II.....3 hrs.
This course is a continuation of architectural history, covering the Renaissance period to the present. The emphasis will be on the historical, social and technological factors behind the structures discussed. PR: ARCH 1130.

ARCH 1199 Special Topics in Architecture.....1-12 hrs.
Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

ARCH 2200 Graphics3 hrs.
This course is an introduction to architectural presentation drawings. The course emphasizes rendering techniques and perspective drawing.

ARCH 2210 Design I4 hrs.
Introduction to developing design methodology and its integration into the process of design. Topics include form studies and theory, and incorporation of these into the design of architectural elements. Introduction of sketching, graphic and modeling skills to communicate design concepts. Emphasis on developing the student's presentation skills. PR: ARCH 1160, 2225, ART 1111

ARCH 2225 Architectural CADD.....3 hrs.
Introduction to computer-aided drafting and design. Will include an introduction to the basic drawing processes of the computer and subsequent application to design solutions in architecture.

ARCH 2250 Design II4 hrs.
A continuing study of design methodology as applicable to the design of simple structures. Emphasis on tectonics, as well as the nature of materials and the site. Further development of sketching, graphic and modeling skills as students learn to understand, interpret, and represent spaces and receive further training in presentation skills. Students will develop a first-year design portfolio. PR: ARCH 2210.

ARCH 3300 Design III.....4 hrs.
This class encompasses the investigation, synthesis and communication of characteristics of the built environment. Material covered includes programming of a building with respect to function, user, and site, and exploration of energy conservation and solar application. Students will develop a more advanced level of design, graphic skills, and 3-dimensional modeling. PR: ARCH 2250, CR:

ARCH 3320.

ARCH 3310 Construction Details and Materials.....4 hrs.

This course is a comprehensive exploration of materials, structural systems and details in the context of commercial building design. Students will produce a set of working drawings for an architectural office setting. Baccalaureate majors only. PR: CIVL 2220, CR: ARCH 4450.

ARCH 3320 Site Planning.....3 hrs.

This course covers site analysis and the process of optimizing the relationship of a building to its site, taking into account the building's program and the natural environment. PR: ARCH 2250.

ARCH 3350 Design IV.....4 hrs.

This course explores architectural design in the context of the urban setting. Topics include urban design, historic preservation and the social impact of the built environment. Cultural and behavioral patterns will be explored. Students will develop further their modeling skills, graphic communication, and oral communication. A second year portfolio will be developed. PR: ARCH 3300; CR: ARCH 4420.

ARCH 4420 Urban Design and Preservation.....3 hrs.

This course explores urban planning and the application of its basic principles to an urban context. History of urban design, urban development and historic preservation will be discussed and applied to design projects. PR: ARCH 3300, CR: ARCH 3350.

ARCH 4430 Mechanical and Electrical Systems.....3 hrs.

Introduction to the design of mechanical and electrical systems. PR: ARCH 2250.

ARCH 4450 Design V4 hrs.

This course encompasses architectural design as an integration of design concept and building technology. Concepts synthesized in the design process include structural systems, mechanical systems and building materials, as well as more sophisticated building design. Advanced graphic communications will be combined with computer applications. Baccalaureate majors only. PR: ARCH 3350, CR: ARCH 3310.

ARCH 4460 Design VI.....4 hrs.

Writing Intensive

Students in this class will execute comprehensive architectural designs of their own choice with the approval of the instructor. Concentration in the project may be in building technology, urban design, historical design, theory, environmental design or another approved topic. The student will develop the design concept, conduct research, develop the form and express the design of the structure at a sophisticated level of graphic and 3-dimensional skills. A third-year portfolio will be completed. PR: ENGL 1108 and ARCH 4450.

ARCH 4998 Undergraduate Research.....0-6 hrs.

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly

activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

March 26, 2012

Dear Madam or Sir,

As a practicing architect in north central West Virginia Area, I have gained exposure to a number of previous Fairmont State University Graduates and in particular the area of Architecture. I have also been invited to see the level of investigation and commitment which is sought by the faculty and student of Fairmont State University. Synthesizing my own experiences in the development of young architects, both others and myself, I have made the following observation and thoughts:

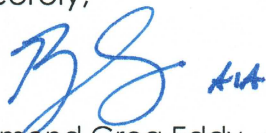
- The change in the program to B.S Architecture and the requisite changes in the curriculum have been very positive.
- The curriculum structure provides a logical base for the implementation of the proposed Accredited MArch program.
- The curriculum coordinates well with a variety of existing MArch programs and facilitates the acceptance to and success in those programs of FSU BS Arch graduates.
- Both fulltime faculty members are registered architects who have worked in private practice. This is an asset to the program.
- It is vital to the success and growth of the program to continue pursuit of the accredited degree program, and to maintain and nourish relationships with the FSU Administration, NAAB, HEPC and other agencies that will act upon that implementation and approval.
- The existing program has been very successful in providing and maintaining the design and drafting software that is current and applicable to the professional marketplace. It is important for the program to continue this feature.
- From personal experience with my own firm and discussion with colleagues in the North Central West Virginia area, FSU students are well prepared for professional practice, and contribute at a high level very quickly upon employment. The quality of student continues to rise due to the elevated atmosphere willed to the students from these faculties.

"Designing on the principles of the past and preserving for the future"

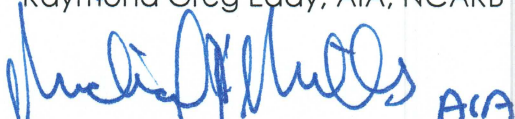
- The AS Architectural Engineering Technology program mirrors the first two years of the BS Architecture program. Students, who complete that program, are employable as technicians in design offices. Because of the matching curriculum, the program is clearly oriented to Architecture and consideration should be given to changing the program name to A.S. Architectural Technology. This presents a more accurate picture of the students' education to prospective employers and accreditation agencies.

In my opinion, the Architecture Program at Fairmont State University is at a significant crossroads. Every reasonable effort needs to be made to implement the MArch program and gain NAAB Accreditation. As an accredited, professional degree program, I believe that the FSU Program can broaden its appeal to students from the entire Mid-Atlantic region, and implement faculty and facility development which will contribute to the real and perceived quality of the institution as a whole.

Sincerely,



Raymond Greg Eddy, AIA, NCARB



Michael J. Mills, AIA, NCARB