

## **Proposed Revision to the Architecture Program**

### **Writer:**

Dr. Miles Grosbard  
Professor of Architecture and  
Chair, Department of Architecture, Design & Construction

### **Facilitator:**

Pete Watkins

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# Proposal for Curriculum Revision

## Background and Rationale

ADC faculty are unanimous in creating a plan to address the concerns of the Student Outcomes Committee of the Board of Trustees regarding the Academic Audit for the Architecture Program. The committee members were interested in ways to improve the graduation rates for this Program, and the ADC faculty recommend the following three changes to the Architecture curriculum:

1. To bring the Architecture Program into correspondence with College-wide general education requirements, and also to make program completion simpler for students, ADC faculty recommend reducing the number of credits in the curriculum by three by removing the second Social Science Elective (no longer required).
2. ADC faculty recommend removing PHYS 111 – General Physics I as a requirement in the Architecture Program, which has proven a stumbling block for many Architecture students. This would be replaced by a more general "Science Elective," which could be PHYS 111 or any other lab or non-lab science course. This would achieve two things: first, it would allow architecture students after transfer to take a more appropriate physics course, "Physics for Architects," offered at all three of our neighboring baccalaureate institutions. ADC faculty concur that CCP students will learn physics better in those specialized learning environments, an opportunity that, as a practical matter, CCP cannot offer because it is too specialized for this level and there is not a regular, predictable student constituency for such a course.

Also, this change would allow students to take a science course other than PHYS 111 required at the receiving baccalaureate institution. At Philadelphia University, for example, students are required to take a Chemistry course in their first year. If this change is approved, students would be able to complete that course here at CCP, rather than take it after transfer. Another course that might be valuable for Architecture students is EASC 111 - Environmental Conservation, a similar course being required at baccalaureate institutions which could be taken here at CCP.

3. ADC faculty propose to change the Mathematics requirement for Architecture Program students from MATH 162 (which was included because it is a pre-requisite for PHYS 111) to MATH 161 (or higher). Students would complete whichever mathematics requirement is specified at their receiving baccalaureate institution. Receiving institutions' mathematics requirements vary widely - some include calculus, some do not.

These three changes will reduce the minimum number of credits from 68 to 64. This change is in line with the College's goal to reduce the number of credits needed for graduation, and are likely to have a positive impact on completion rates.

## Architecture – Current

### Program of Study and Graduation Requirements:

To qualify for the A. A. degree in Architecture, a student must complete a minimum of 68 credits as prescribed, attain a minimum grade point average of 2.0 ("C" average) and earn a "C" or higher in all ADC and ART courses.

### Architecture Course Sequence

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
<b>First Semester</b>			
<a href="#">ADC 101</a> - Introduction to Design and Construction		3	Tech Comp*
<a href="#">ADC 103</a> - CAD Basics		3	Tech Comp*
<a href="#">ADC 109</a> - Design Studio I		4	
<a href="#">ART 105</a> - Drawing I		3	
<a href="#">ENGL 101</a> - English Composition I		3	ENGL 101
<b>Second Semester</b>			
<a href="#">ADC 159</a> - Design Studio II	<a href="#">ADC 103</a> , <a href="#">ADC 109</a>	4	
<a href="#">ADC 112</a> – Constr. Materials and Detailing: Properties	<a href="#">ADC 103</a> , <a href="#">ADC 109</a>	3	
<a href="#">ADC 160</a> - Presentation Techniques	<a href="#">ADC 103</a> , <a href="#">ADC 109</a>	3	
<a href="#">MATH 162</a> - Precalculus II (or above as per placement)	<a href="#">MATH 161</a>	3	Mathematics
<a href="#">ENGL 102</a> - The Research Paper	<a href="#">ENGL 101</a> with a grade of "C" or better	3	ENGL 102, Info Lit
<b>Third Semester</b>			
<a href="#">ADC 209</a> - Design Studio III	<a href="#">ADC 159</a> , <a href="#">ADC 160</a>	4	
<a href="#">ADC 212</a> - Construction Materials and Detailing: Methods	<a href="#">ADC 103</a> or <a href="#">ADC 109</a>	3	
<a href="#">ADC 221</a> - History of Architecture and Interiors I	<a href="#">ENGL 101</a>	3	
<a href="#">ADC 260</a> - Advanced Presentation Techniques	<a href="#">ADC 160</a> ; and <a href="#">ADC 209</a> or <a href="#">ADC 163</a> which may be taken be taken concurrently	3	
Humanities Elective		3	Humanities
Social Science Elective		3	Soc Sciences
<b>Fourth Semester</b>			
<a href="#">ADC 222</a> - History of Architecture and Interiors II	<a href="#">ADC 221</a> & <a href="#">ENGL 102</a> ; may be taken concurrently	3	
<a href="#">ADC 253</a> - Environmental Systems I or <a href="#">ADC 254</a> - Environmental Systems II	<a href="#">ADC 101</a> and <a href="#">ADC 103</a> or <a href="#">ADC 109</a>	3	
<a href="#">ADC 259</a> - Design Studio IV	<a href="#">ADC 209</a>	4	
<a href="#">PHYS 111</a> - General Physics I	<a href="#">MATH 162</a>	4	Nat Science
Social Science Elective		3	
<b>Minimum Credits Needed to Graduate:</b>		<b>68</b>	

# Architecture – Proposed

## Program of Study and Graduation Requirements:

To qualify for the A. A. degree in Architecture, a student must complete a minimum of 64 credits as prescribed, attain a minimum grade point average of 2.0 ("C" average) and earn a "C" or higher in all ADC and ART courses.

## Architecture Course Sequence

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
<b>First Semester</b>			
<a href="#">ADC 101</a> - Introduction to Design and Construction		3	Tech Comp*
<a href="#">ADC 103</a> - CAD Basics		3	Tech Comp*
<a href="#">ADC 109</a> - Design Studio I		4	
<a href="#">ART 105</a> - Drawing I		3	
<a href="#">ENGL 101</a> - English Composition I		3	ENGL 101
<b>Second Semester</b>			
<a href="#">ADC 159</a> - Design Studio II	<a href="#">ADC 103</a> , <a href="#">ADC 109</a>	4	
<a href="#">ADC 112</a> – Constr. Materials and Detailing: Properties	<a href="#">ADC 103</a> , <a href="#">ADC 109</a>	3	
<a href="#">ADC 160</a> - Presentation Techniques	<a href="#">ADC 103</a> , <a href="#">ADC 109</a>	3	
<a href="#">MATH 161</a> * - Precalculus I (or above)	<a href="#">MATH 118</a> with a grade of "C" or better	3	Mathematics
<a href="#">ENGL 102</a> - The Research Paper	<a href="#">ENGL 101</a> with a grade of "C" or better	3	ENGL 102, Info Lit
<b>Third Semester</b>			
<a href="#">ADC 209</a> - Design Studio III	<a href="#">ADC 159</a> , <a href="#">ADC 160</a>	4	
<a href="#">ADC 212</a> - Construction Materials and Detailing: Methods	<a href="#">ADC 103</a> or <a href="#">ADC 109</a>	3	
<a href="#">ADC 221</a> - History of Architecture and Interiors I	<a href="#">ENGL 101</a>	3	
<a href="#">ADC 260</a> - Advanced Presentation Techniques	<a href="#">ADC 160</a> ; and <a href="#">ADC 209</a> or <a href="#">ADC 163</a> which may be taken be taken concurrently	3	
Humanities Elective		3	Humanities
<b>Fourth Semester</b>			
<a href="#">ADC 222</a> - History of Architecture and Interiors II	<a href="#">ADC 221</a> & <a href="#">ENGL 102</a> ; may be taken concurrently	3	
<a href="#">ADC 253</a> - Environmental Systems I or <a href="#">ADC 254</a> - Environmental Systems II	<a href="#">ADC 101</a> and <a href="#">ADC 103</a> or <a href="#">ADC 109</a>	3	
<a href="#">ADC 259</a> - Design Studio IV	<a href="#">ADC 209</a>	4	
Science Elective *		3/4	Nat Science
Social Science Elective		3	Soc Science
<b>Minimum Credits Needed to Graduate:</b>		<b>64</b>	

\*Students should select Mathematics and Science courses at CCP that correspond with the requirements of the institution to which they intend to transfer