

***Transfer Articulation Agreement***  
*between*  
***Foothill College***  
*and*  
***Cornell University's School of Civil and Environmental Engineering***

- I. It is the intent of this Transfer Articulation Agreement to develop a limited Guaranteed Transfer Program between Foothill College and the School of Civil and Environmental Engineering in Cornell University's College of Engineering.
- II. This agreement is designed for students enrolled in Foothill College Engineering, General Studies/Science, Individual Studies-Transfer, Mathematics, or Physics programs and pursuing an A.S. Degree who are interested in pursuing studies leading to a B.S. degree in the School of Civil and Environmental Engineering at Cornell University.
- III. Students from Foothill College completing an Associate of Science degree who:
  1. have completed post-secondary courses substantially equivalent to those that the applicant would have taken had they been enrolled in engineering at Cornell<sup>1 2</sup>,
  2. have received grades of B or better in math, science, computer-programming, and engineering courses<sup>3</sup>, and
  3. have a cumulative GPA of 3.5 or better<sup>4</sup>, and
  4. have overall credentials and references (both academic and personal) which meet general Cornell standards of academic performance and personal character,will be guaranteed transfer to the School of Civil of Environmental Engineering<sup>5</sup> at Cornell University. Credentials will be evaluated on an individual basis, but the

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*Please note that Footnote 1 is explained in more detail in Attachment 1.*

<sup>1</sup> It is expected that students will have taken the equivalent of:

- 4 semester-courses in math (calculus through differential equations),
- A total of at least 4 semester-courses in sciences to include physics (2 or 3 courses, calculus-based preferred), and chemistry (1 or 2 courses),
- 1 semester-course in computing science,
- 3 or more semester-courses in engineering science and introductory engineering,
- 2 semester courses of intensive writing, and
- 2 or more semester-courses in liberal studies

<sup>2</sup> Cornell University does not accept transfer credit for courses sponsored by colleges but taught in high schools to high school students even if the college provides a transcript of such work. Students who have taken such courses may, however, take the appropriate Advance Placement Examination offered by the College Board Admission Testing Program in Princeton, New Jersey, to qualify for credit.

<sup>3</sup> Grades below B in these subjects are not transferable and cannot be used to meet requirements.

<sup>4</sup> Applicants to the School of Civil and Environmental Engineering with less than the minimum cumulative grade point average will be considered individually, and transfer-admission decisions will be based on available space, course work completed, letters of recommendation, and other pertinent factors.

<sup>5</sup> Transfer students must remain affiliated with the School of Civil and Environmental Engineering for a minimum of one year and must pursue a course of studies consistent with those needed to meet the degree requirements of the School of Civil and Environmental Engineering.

general expectation is that most students will be able to complete a Bachelor of Science degree with an additional four (4) or five (5) semesters of study.<sup>6</sup>

- IV. This agreement will take effect on January 1, 2012 and shall be reviewed every three (3) years by Cornell's School of Civil and Environmental Engineering and Foothill College.

**Cornell Authorizations**

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Lance Collins, Dean  
College of Engineering  
Cornell University

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Date

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Philip L.-F. Liu, Professor and Director  
School of Civil and Environmental Engineering  
Cornell University

\_\_\_\_\_  
Date

\_\_\_\_\_  
Scott Campbell  
Director, Engineering Admissions  
Cornell University

\_\_\_\_\_  
Date

**Foothill College Authorizations**

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Peter Murray, Dean  
Physical Sciences, Mathematics and Engineering  
Foothill College

\_\_\_\_\_  
Date

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Bernie Seyboldt Day  
Articulation/Curriculum Officer  
Foothill College

\_\_\_\_\_  
Date

<sup>6</sup> The applicable requirements for the BS in Civil and Environmental Engineering (CEE) include: (a) Full-time resident study for a minimum of four semesters, (b) At least 126 semester-credits with no more than 72 of these being transfer credits, (c) Fulfillment of College requirements in math, science, computer programming, writing, engineering science, and liberal studies, and (d) Completion of at least 49 semester-credits that fulfill the field-program requirements in CEE.

## Attachment 1

### *Current Equivalent Courses at Foothill College*

Foothill College courses currently equivalent to curriculum for Cornell School of Civil and Environmental Engineering students:

<b>Cornell CEE Requirements</b>	<b>Foothill Equivalent Courses</b>	<b>Quarter Credits</b>
4 semesters in math	<i>6 quarters in math</i>	
Standard Calculus	Math 1A, 1B, 1C and 1D	20
Differential Equations	Math 2A	5
Linear Algebra	Math 2B	5
4 semesters in science	<i>6 quarters in science</i>	
Physics	Phys 4A, Phys 4B and Phys 4C or Phys 5A, Phys 5B, Phys 5C, and Phys 4C	18
Chemistry	Chem 1A, Chem 1B and Chem 1C	15
1 semester in computing science	<i>2 quarters selected from:</i> CIS 27A (JAVA) CIS 27B (JAVA) CIS 27C (Data structures - JAVA) CIS 15A (C++) CIS 15B (C++) CIS 15C (Data structures)	10
3 or more semesters in engineering science	<i>5 quarters in engineering science</i> ENGR 10 (intro to engineering) ENGR 35 (statics) ENGR 37 (circuit analysis) ENGR 40 (clean energy technology) ENGR 45 (properties of materials)	25
2 semesters of intensive writing	<i>2 quarters of intensive writing</i> ENLG 1A or ENGL 1AH ENGL 1B or ENGL 1BH or ENGL 1C or ENGL 1CH	5 5
2 or more semesters of liberal studies	<i>2 quarters of liberal studies</i>	8
	Total minimum units	116