
CBE in London 2018: Imperial College

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10/23/17

ACADEMICS

- ❖ Two Classes: 6 credits
 - ❖ “CBE 31358”: First Chemical Engineering Lab: Spring Junior year
 - ❖ “Unit Operations”: Chemical Engineering Elective
 - ❖ Taught in the pilot plant at Imperial College
 - ❖ This course is unique — in the world!

Curriculum

<u>Fifth Semester</u>	<u>Cr</u>	<u>Sixth Semester</u>	<u>Cr</u>
MATH 30650 Diff Eq	3	CHEM 30324 Physical Chem	3
CHEM 30333 Analytical Chem I	3	CBE 30338 Chem Process Control	3
CHEM 31333 Analytical Chem I Lab	1	CBE 30356 Transport Phenomena II	3
CBE 30355 Transport Phenomena I	3	CBE 31358 Chem Engr Lab I	3
or CBE 30357 Biotransport		Arts and Letters 6	3
CBE 30361 Sci of Engr Materials	3		<hr/>
CBE 30367 Chem Engr Thermodynamics 2	3		15
	<hr/>		
	16		
<u>Seventh Semester</u>	<u>Cr</u>	<u>Eighth Semester</u>	<u>Cr</u>
CBE 40443 Separation Processes	3	CBE 40448 Chem Process Design	3
CBE 40445 Chem Reaction Engr	3	Chemical Engr Elective *	3
CBE 41459 Chem Engr Lab II	3	Technical Elective *	3
or CBE 41910 Biomolecular Engineering Lab		** Tech Elective	3
Chemical Engr Elective *	3	Arts and Letters 8	3
Arts and Letters 7	3		<hr/>
	<hr/>		15
	15		

6 “primetime” credits of flexibility

Course details

- ❖ “Prep” course: CBE 30399: Thursdays at 3:30 all spring
 - ❖ ND Faculty
 - ❖ A couple extra sessions in our laboratory for some data taking
- ❖ CBE 31358:
 - ❖ Laboratory experiments and write three substantial reports and give one formal presentation — graded by ND Faculty
- ❖ Unit Operations:
 - ❖ Taught by faculty from Imperial College in the Imperial Pilot plant
 - ❖ “In-house” academic support from ND “PAs” (Program Assistants)

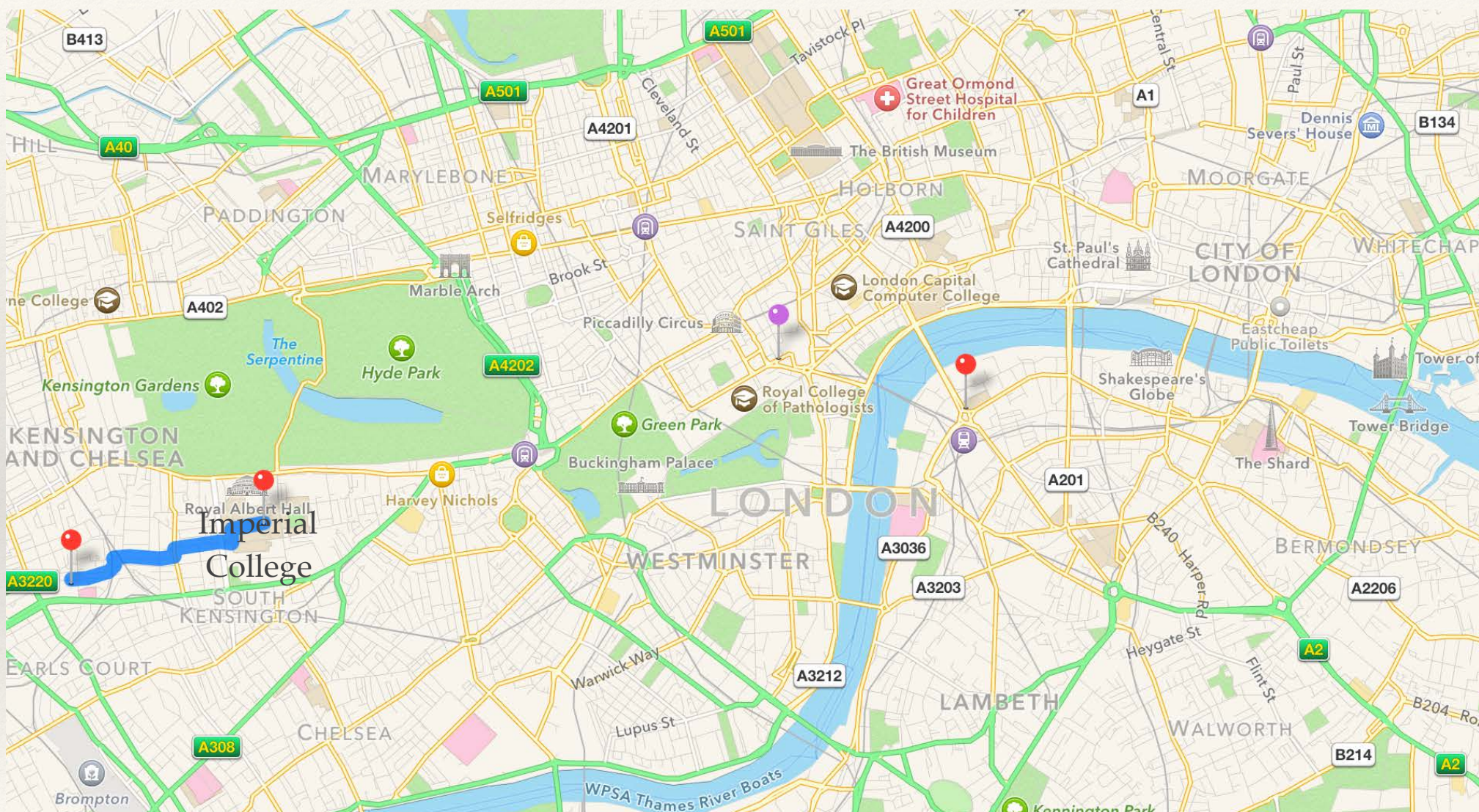
Pilot Plant



Details

- ❖ June 30-August 11, 2018
- ❖ Cost: \$8000 (includes ~ roundtrip flight to London)
 - ❖ Financial Aid is available— automatically considered
 - ❖ One special scholarship that covers all costs and provides spending money
 - ❖ Includes breakfasts and dinners
- ❖ Please apply by: **November 17, 2017**
 - ❖ engineering.nd.edu/summer2018application

London



Lots to See!



Performing Arts

Les Miserables



Phantom of the Opera



Dreamgirls



History/Culture



Travel elsewhere:

- ❖ Classes / lab / pilot plant: Monday- Thursday,
- ❖ Friday-Sunday is free to travel.
- ❖ For details: Ask the previous participants

Social activities/dorm life

- ❖ Ask the previous participants

Now “live” from the Imperial Pilot Plant

- ❖ Dr. Daryl Williams: Director of Pilot Plant Project, Reader in Particle Science



- ❖ Mr. Clive Rodgers: Marketing Manager

