## Environmental Science - Environmental Engineering Track

## 3+2 Engineering Dual Degree Program <br> Bachelor of Science (BS.ENST(EE))



Total Credits earned at King's College $=100$

## Notes:

The Biology requirements for the King's Environmental Science major is by taking CE 40341 Biological Process Design and CE 40350 Environmental Microbiology CE 40702 Senior Design taken at Notre Dame will satisfy King's ENST 49X Environmental Science Capstone requirement
Any other 30000 or 40000 level ENVG or CE courses taken at Notre Dame will satisfy the six King's Environmental Science Major Elective requirements

## Environmental Science - Environmental Engineering Track

## 3+2 Dual Degree Engineering Program

## Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

| King's College |  |  |  |
| :---: | :---: | :---: | :---: |
| Fall | Credits | Spring | Credits |
| CHEM $113^{2}$ Gen. Chem. I | 3 | CHEM 114 ${ }^{\text {PR }}$ Gen. Chem. II | 3 |
| CHEM 113L Gen. Chem. I Lab | 1 | CHEM 114L ${ }^{\text {PR }}$ Gen. Chem. II Lab | 1 |
| ENST 201 Environ Science I | 3 | ENST 202 ${ }^{\text {PR }}$ Environ Science II | 3 |
| ENST 201L Environ Science I Lab | 1 | ENST 202L ${ }^{\text {PR }}$ Environ Science II Lab | 1 |
| MATH 129 Calculus I | 4 | ENGR 150 Engineering Seminar | 2 |
| Core Course ${ }^{1}$ | 3 | MATH 130 ${ }^{\text {PR }}$ Calculus II | 4 |
| HCE 101 Holy Cross Experience | 1 | Core Course ${ }^{1}$ | 3 |
|  | 16 |  | 17 |
| Fall | Credits | Spring | Credits |
| PHYS 1132,CR Physics for Science \& Engineering I | 3 | PHYS 114 ${ }^{\text {PR }}$ Physics for Science \& Engineering II | 3 |
| PHYS 113L Phys. for Sci. \& Eng. I Lab | 1 | PHYS 114L ${ }^{\text {PR }}$ Phys. for Sci. \& Eng. II Lab | 1 |
| MATH 231 ${ }^{\text {PR }}$ Calculus III | 4 | ENGR $250{ }^{\text {PR }}$ System Design \& Analysis | 3 |
| ENGR 300 Programming for Science and Eng. | 3 | ENGR 250L ${ }^{\text {PR }}$ Syst. Design \& Analysis Lab | 1 |
| ENGR 300L Programming. for Science and Eng. Lab | 1 | MATH $237^{\text {PR }}$ Math Methods for Phys. Sci. | 3 |
| Core Course ${ }^{1}$ | 3 | Core Course ${ }^{1}$ | 3 |
| Core Course ${ }^{1}$ | 3 | Core Course ${ }^{1}$ | 3 |
|  | 18 |  | 17 |
| Fall | Credits | Spring | Credits |
| CHEM $2411^{\text {PR }}$ Organic Chem I | 3 | CHEM $242{ }^{\text {PR }}$ Organic Chem II | 3 |
| CHEM 241L ${ }^{\text {PR }}$ Organic Chem I Lab | 1 | CHEM 242L ${ }^{\text {PR }}$ Organic Chem II Lab | 1 |
| PHYS 241 ${ }^{\text {PR }}$ Statics | 3 | ENST 450 Water Quality Analysis | 3 |
| Core Course ${ }^{1}$ | 3 | MATH $361{ }^{\text {PR }}$ Probability \& Statistics I | 3 |
| Core Course ${ }^{1}$ | 3 | Core Course ${ }^{1}$ | 3 |
| Core Course ${ }^{1}$ | 3 | Core Course ${ }^{1}$ | 3 |
|  | 16 |  | 16 |

Total Credits earned at King's College $=100$
Students apply for transfer admission to the University of Notre Dame after completion of the Fall semester of their $3^{\text {rd }}$ year. Students must have satisfied King's College academic guidelines, as well as the following general criteria:

- For Admission to the University of Notre Dame
- Cumulative grade-point average (GPA) of at least 3.6 on a 4.0 scale.
- Cumulative technical grade-point average of at least 3.6 on a 4.0 scale (all math, science and engineering courses)
- GPA must be maintained through Spring Semester of Year 3
- All grades that transfer to Notre Dame must be a "B" or higher, and grades for all courses taken at King's must be a C or higher
- At least 60 credit-hours of work that can be transferred to satisfy Notre Dame engineering and general education degree requirements
- The specific admission criteria for each school will be confirmed by the 3+2 Program Director

Notes:
The 2 course sequence ENST 201/L and ENST 202/L Environmental Science I \& II satisfies the Notre Dame requirement for ENVG 20300 Change, Water and Energy
CHEM 241/L and CHEM 242/L will satisfy two Note Dame Technical Elective requirements
PHYS 241 satisfies the Notre Dame requirement for CE 20150 Statics
MATH 361 satisfies the Notre Dame requirement for ACMS 30440 Probability \& Statistics
*Students are encouraged to take summer courses to relieve the course load pressure during this semester.
${ }^{1}$ Choose one course from each of the Core Requirements listed on the reverse side.
${ }^{2}$ Course may satisfy both a Major and a Core requirement. CHEM 113 and PHYS 113 will satisfy the Scientific Endeavor and Science in Context Core requirements. MATH 129 will satisfy the Quantitative Reasoning Core requirement.
${ }^{P R}$ Course has a prerequisite - check college catalog.
${ }^{C R}$ Course has a co-requisite - check college catalog.

