



**NATIONAL UNIVERSITY OF ENGINEERING**  
**LIMA - PERU**  
**CENTRAL OFFICE OF REGISTERS AND STATISTICS**  
**OFFICIAL TRANSCRIPT**

COLLEGE: CHEMICAL AND TEXTILE ENGINEERING  
PROGRAM: CHEMICAL ENGINEERING                      STUDENT CODE: 20130422G  
GIVEN NAMES: JULIO ALEJANDRO                      ADMISSION YEAR: 2013  
SURNAME: CASTRO MONTES                      PAGE: 1 OF 2 - 2 OF 2

| COURSE CODE | COURSE  | CRED | GRADE | DATE   |
|-------------|---|------|-------|--------|
| QAU511B     | TECHNICAL DRAWING                                   | 02   | 12.8  | 2013-1 |
| QFI203B     | PHYSICS I   | 05   | 15.4  | 2013-1 |
| QMA113B     | MATHEMATICS I                                       | 04   | 15.9  | 2013-1 |
| QMA114B     | BASIC MATHEMATICS I                                 | 03   | 14.0  | 2013-1 |
| QPI100C     | CHEMICAL AND TEXTILE ENGINEERING,<br>INTRODUCTION   | 01   | 14.3  | 2013-1 |
| QPI118B     | INFORMATION SYSTEMS AND TECHNICAL REPORTS           | 02   | 15.8  | 2013-1 |
| QQU116B     | CHEMISTRY I   | 03   | 14.8  | 2013-1 |
| QQU117B     | LABORATORY OF CHEMISTRY I                           | 01   | 14.8  | 2013-1 |
| QAHD65A     | CONSTITUTION AND HUMAN RIGHTS                       | 02   | 11.0  | 2013-2 |
| QEM711B     | INTRODUCTION TO MECHANICAL DRAWING                  | 03   | 14.0  | 2013-2 |
| QFI204A     | PHYSICS II  | 05   | 10.2  | 2013-2 |
| QMA123B     | MATHEMATICS II                                      | 04   | 14.6  | 2013-2 |
| QMA124A     | BASIC MATHEMATICS II                                | 03   | 12.6  | 2013-2 |
| QMA713B     | COMPUTER PROGRAMMING                                | 03   | 11.6  | 2013-2 |
| QQU118B     | CHEMISTRY II  | 03   | 18.2  | 2013-2 |
| QQU119A     | LABORATORY OF CHEMISTRY II                          | 01   | 14.0  | 2013-2 |
| QFI403A     | PHYSICS III   | 05   | 15.7  | 2013-3 |
| QEE102A     | ELECTRICAL CIRCUITS AND INDUSTRIAL<br>INSTALLATIONS | 03   | 13.6  | 2014-1 |
| QEP307B     | BUSINESS ECONOMICS I                                | 04   | 14.3  | 2014-1 |
| QFI152A     | INTRODUCTION TO MODERN PHYSICS                      | 04   | 14.0  | 2014-1 |
| QMA133A     | MATHEMATICS III                                     | 06   | 13.4  | 2014-1 |
| QQU214A     | INORGANIC CHEMISTRY                                 | 04   | 16.0  | 2014-1 |
| QQU215A     | LABORATORY OF INORGANIC CHEMISTRY                   | 01   | 13.0  | 2014-1 |
| QMA143A     | MATHEMATICS IV                                      | 04   | 15.4  | 2014-2 |
| QMA612A     | STATISTICS AND DESIGN OF EXPERIMENTS                | 04   | 17.3  | 2014-2 |
| QQU425A     | PHYSICAL CHEMISTRY I                                | 04   | 18.3  | 2014-2 |
| QQU426A     | LABORATORY OF PHYSICAL CHEMISTRY I                  | 01   | 14.1  | 2014-2 |
| QQU516A     | QUALITATIVE CHEMICAL ANALYSIS                       | 03   | 13.0  | 2014-2 |
| QPI111B     | MASS AND ENERGY BALANCE                             | 03   | 12.8  | 2015-1 |
| QPI523A     | CALCULATIONS IN CHEMICAL ENGINEERING I              | 04   | 13.8  | 2015-1 |

| COURSE CODE                 | COURSE                                       | CRED | GRADE | DATE   |
|-----------------------------|--|------|-------|--------|
| QQU324B                     | ORGANIC CHEMISTRY I                          | 04   | 17.3  | 2015-1 |
| QQU325B                     | LABORATORY OF ORGANIC CHEMISTRY I            | 01   | 16.0  | 2015-1 |
| QQU434B                     | PHYSICAL CHEMISTRY II                        | 04   | 16.6  | 2015-1 |
| QQU435B                     | LABORATORY OF PHYSICAL CHEMISTRY II          | 01   | 14.4  | 2015-1 |
| QQU517B                     | LABORATORY OF QUALITATIVE CHEMICAL ANALYSIS  | 01   | 15.4  | 2015-1 |
| QEC618B                     | MECHANICS AND MATERIALS STRENGTH             | 05   | 14.7  | 2015-2 |
| QPA714B                     | OPERATIONS RESEARCH I                        | 03   | 12.8  | 2015-2 |
| QPI140B                     | TRANSPORT PHENOMENA                          | 03   | 13.2  | 2015-2 |
| QPI216B                     | THERMODYNAMICS FOR CHEMICAL ENGINEERING I    | 03   | 15.3  | 2015-2 |
| QQU334B                     | ORGANIC CHEMISTRY II                         | 04   | 17.3  | 2015-2 |
| QQU335A                     | LABORATORY OF ORGANIC CHEMISTRY II           | 01   | 16.1  | 2015-2 |
| QQU526B                     | QUANTITATIVE CHEMICAL ANALYSIS               | 02   | 13.3  | 2015-2 |
| QQU527B                     | LABORATORY OF QUANTITATIVE CHEMICAL ANALYSIS | 01   | 13.6  | 2015-2 |
| QEP818A                     | COSTS AND BUDGETS                            | 03   | 12.9  | 2016-1 |
| QPA113A                     | METHODS ENGINEERING I                        | 04   | 12.7  | 2016-1 |
| QPI142B                     | MOMENTUM TRANSFER                            | 03   | 12.4  | 2016-1 |
| QPI217A                     | THERMODYNAMICS FOR CHEMICAL ENGINEERING II   | 03   | 12.3  | 2016-1 |
| QPI318A                     | INDUSTRY OF CHEMICAL PROCESSES               | 05   | 15.4  | 2016-1 |
| QPI513A                     | INDUSTRIAL MATERIALS                         | 02   | 14.3  | 2016-1 |
| QPI143A                     | HEAT TRANSFER                                | 03   | 15.1  | 2016-2 |
| QPI144A                     | MASS TRASFER                                 | 03   | 15.2  | 2016-2 |
| QPI146B                     | OPERATIONS IN CHEMICAL ENGINEERING I         | 03   | 13.3  | 2016-2 |
| QPI355A                     | TREATMENT OF INDUSTRIAL WATER                | 03   | 13.3  | 2016-2 |
| QPI515C                     | CORROSION I                                  | 03   | 14.4  | 2016-2 |
| QPI721A                     | BIOCHEMISTRY AND MICROBIOLOGY                | 03   | 14.6  | 2016-2 |
| QPI135A                     | LABORATORY OF UNIT OPERATIONS I              | 02   | 13.3  | 2017-1 |
| QPI225A                     | CHEMICAL KINETICS AND REACTORS DESIGN I      | 03   | 13.9  | 2017-1 |
| QPI365A                     | POLYMERS I                                   | 03   | 14.0  | 2017-1 |
| QPI415A                     | CONTROL INSTRUMENTATION                      | 03   | 15.0  | 2017-1 |
| QPI510B                     | ECONOMICS OF CHEMICAL PROCESSES              | 03   | 16.4  | 2017-1 |
| QPI612A                     | SPECIAL TOPICS IN CHEMICAL ENGINEERING       | 02   | 14.5  | 2017-1 |
| QPI911A                     | TECHNOLOGY AND BUSINESS MANAGEMENT           | 04   | 14.2  | 2017-1 |
| QSA633A                     | INDUSTRIAL HYGIENE                           | 03   | 15.3  | 2017-1 |
| QPA136B                     | PRODUCTION PLANNING AND CONTROL              | 04   | 13.9  | 2017-2 |
| QPI345A                     | OILS AND GREASES                             | 02   | 13.6  | 2017-2 |
| QPI525A                     | PLANT DESIGN                                 | 04   | 13.6  | 2017-2 |
| QXA200                      | EXTRA-CURRICULAR ACTIVITIES                  | 02   | --    | 2017-2 |
| QXP100                      | CO-OP EXPERIENCE I                           | 01   | --    | 2017-2 |
| QPI136A                     | LABORATORY OF UNIT OPERATIONS II             | 02   | 12.7  | 2018-1 |
| QPI426B                     | PROCESS SIMULATION AND CONTROL               | 04   | 15.3  | 2018-1 |
| QPI722A                     | BIOCHEMICAL PROCESSES                        | 03   | 17.5  | 2018-1 |
| STUDENT CONDITION: GRADUATE |  |      |       |        |

**Total credits: 211 (over 211 required)**

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This transcript contains only passed courses. It does not accredit program culmination nor academic nor professional degree attainment. Any amendment or annotation made before or after the closing line made up by asterisks (\*\*\*\*\*) definitively invalidate the contents of this document.

One credit is equivalent to one weekly hour of theory lecture or two weekly hours of practice or laboratory work.

Grading system:

|                   |             |    |
|-------------------|-------------|----|
| From 14.0 to 20.0 | Excellent   | A+ |
| From 13.0 to 13.9 | Very Good   | A  |
| From 11.0 to 12.9 | Good        | B  |
| From 10.0 to 10.9 | Passed      | C  |
| From 06.0 to 09.9 | Disapproved | D  |
| From 00.0 to 05.9 | Failed      | E  |

Minimum approving grade: 10

Every page signed and sealed by the Registrar.

Signed and Stamped

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University Secretary

Signed and Stamped

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Faculty Dean

Lima, January 3, 2019

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E-0003060

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Central Office of Registers and Statistics