

## 1<sup>st</sup> Semester, 2012

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Writing  
English 1  
Residential Colloquia  
Chapel  
Leadership development  
General Biology and experiments (1)  
General Physics and Lab (1)  
General Chemistry and experiments (1)  
Calculus & Vector analysis (1)

## 2<sup>st</sup> Semester, 2012

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Bible and Christianity  
Chapel  
Leadership practice  
English 2  
Computer programming  
Calculus & Vector analysis (2)  
General Chemistry and experiments (2)  
General Biology and experiments (2)  
Beginner tennis

## 1<sup>st</sup> Semester, 2013

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Environmental analysis and Lab (Analytical chemistry)  
Environmental balances (Stoichiometry)  
Air pollution (theory)  
Korean modern & contemporary history  
Environ. Protection and Business ADMIN  
RC Career planning  
Chapel  
Engineering math 1  
English 3 & 4 - pass

## 2<sup>st</sup> Semester, 2013

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Mathematics for mechanical engineers (2)  
Future design in engineering (1)  
Applied thermodynamics  
Mechanism design  
Computer aided drafting  
Chapel(4)

## 1<sup>st</sup> Semester, 2014

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Mathematics for mechanical engineers (1)  
Creative mechanical engineering design (1)  
Thermodynamics  
Mechanics of solids (1)  
Modern society and psychology

## 2<sup>st</sup> Semester, 2016

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Chemical reaction engineering  
Undergraduate thesis  
Environmental engineering Lab (2)  
Water chemistry  
Environmental Pollutants Monitoring  
Environmental Policy  
Career Planning and Counseling  
Chapel  
RC Career Development  
Swimming

## Winter Session, 2016

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Japanese (1)  
Problem solving and presentation

## 1<sup>st</sup> Semester, 2017

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Environmental thermodynamics  
Seminar  
Energy environmental engineering  
Numerical analysis  
Energy recovery engineering  
Introduction to environmental data analysis  
Water treatment process engineering  
Career planning and counseling

## Summer Session, 2017

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Business administration in the global age  
Understanding of western music

Fluid mechanics

New energy engineering

Structural mechanics

Wastes (theory)

Wastewater and mine drainage treatment processes

Green Capstone design

Success of technology start-practice

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GPA (Only major-courses) 4.24/4.30

GPA (Including elective-courses) 4.04/4.30

Total passed credit: 159