Freshmen Year

- ID: EN007IU/ EN008IU — Academic English 1 — 4 credits/ 6.8 ECTS
- ID: EN011IU/ EN012IU — Academic English 2 — 4 credits/ 6.8 ECTS
- ID: PH018IU — Introduction to Space Engineering — 2 credits/ 3.4 ECTS
- ID: EE050IU — Introduction to computer for engineers — 2 credits/ 5.1 ECTS
- ID: PH019IU — General Physics 1 — 4 credits/ 6.8 ECTS
- ID: PH021IU — General Physics 2 — 4 credits/ 5.1 ECTS
- ID: PH020IU — General Physics 1 Labotary — 4 credits/ 3.4 ECTS
- ID: PH022IU — General Physics 2 Labotary — 4 credits/ 1.7 ECTS
- ID: MA001IU — Calculus 1 — 4 credits/ 6.8 ECTS
- ID: MA003IU — Calculus 2 — 4 credits/ 6.8 ECTS
- ID: PH027IU — Earth observation and the environment — 3 credits/ 5.1 ECTS
- ID: PE015IU — Philosophy of Marxism and Leninism — 3 credits/ 5.1 ECTS
- ID: PE016IU — Political economics of Marxism and Leninism — 2 credits/ 3.4 ECTS
- ID: PT001IU/ PT002IU — Physical Training — 0 credits/ 0 ECTS

Sophomore year

- ID: PH023IU — General Physics 3 — 2 credits/ 3.4 ECTS
- ID: PH031IU — Optics and Photonics — 2 credits/ 3.4 ECTS
- ID: PH024IU — General Physics 3 Laboratory — 1 credit/ 1.7 ECTS
- ID: PH029IU — Introduction to Relativity and Modern Physics — 3 credits/ 5.1 ECTS
- ID: PH026IU — Differential Equations — 2 credits/ 3.4 ECTS
- ID: PH032IU — Introduction to Signals and Systems — 3 credits/ 5.1 ECTS
- ID: PH037IU — Space Environment — 3 credits/ 5.1 ECTS
- ID: PH033IU — Signals and Systems Laboratory — 1 credits/ 1.7 ECTS
- ID: EE057IU — Programming for Engineers — 3 credits/ 5.1 ECTS
- ID: PH025IU — Mathematics for engineers — 4 credits/ 6.8 ECTS
- ID: EE058IU — Programming for Engineers Laboratory — 1 credit/ 1.7 ECTS
- ID: PH040IU — Satellite Technology — 3 credits/ 5.1 ECTS
- ID: PH030IU — Probability and statistics for Engineers — 3 credits/ 5.1 ECTS
- ID: PH055IU — iOS programming fundamentals — 4 credits/ 6.8 ECTS
- ID: PE008IU — Critical Thinking — 3 credits/ 5.1 ECTS
- ID: PH034IU — Military Training — 0 credits/ 0 ECTS
- ID: PE017IU — Scientific Socialism — 2 credits/ 3.4 ECTS

Junior Year

- ID: PH035IU — Introduction to Space Communications — 3 credits/ 5.1 ECTS
- ID: PH036IU — Remote Sensing — 3 credits/ 5.1 ECTS
- ID: PH047IU — Navigation Systems — 3 credits/ 5.1 ECTS
- ID: PH053IU — Big Data Analytics for Remote Sensing — 3 credits/ 5.1 ECTS
- ID: PH038IU — Digital Image Processing Laboratory — 1 credits/ 1.7 ECTS
- ID: PH054IU — Big Data Analytics for Remote Sensing Laboratory — 1 credits/ 1.7 ECTS
- ID: PH039IU — Introduction to Digital Image Processing — 2 credits/ 3.4 ECTS
- ID: PH043IU — Satellite Signal And Image Processing Laboratory — 3 credits/ 5.1 ECTS
- ID: EE092IU — Digital Signal Processing — 3 credits/ 5.1 ECTS
- ID: EE105IU — Antenna and Microwave Engineering — 3 credits/ 5.1 ECTS
- ID: EE093IU — Digital Signal Processing Laboratory — 1 credit/ 1.7 ECTS
- ID: EE124IU — Antenna and Microwave Engineering Laboratory — 1 credit/ 1.7 ECTS
- ID: PH057IU — Geolocation App Development for iOS — 4 credits/ 6.8 ECTS
- ID: PH041IU — Digital Image Processing — 3 credits/ 5.1 credits
- ID: PH056IU — Project Management — 3 credits/ 5.1 ECTS
- ID: PE020IU — Engineering Ethics and Professional Skills — 3 credits/ 5.1 ECTS
- ID: PH044IU — Internship — 3 credits/ 5.1 ECTS

Senior Year

- ID: PH042IU — Research project — 4 credits/ 6.8 ECTS
- ID: PH049IU — Elective course: Advanced Remote Sensing — 3 credits/ 5.1 ECTS
- ID: PH046IU — Elective course: GIS and Spatial Analysis — 3 credits/ 5.1 ECTS
- ID: PH045IU — Elective course: Fundamental of Surveying — 3 credits/ 5.1 ECTS
- ID: PH050IU — Thesis — 10 credits/ 17 ECTS
- ID: PH048IU — Elective course: Radio Astrophysics — 3 credits/ 5.1 ECTS
- ID: EE133IU — Elective course: Emerging Engineering Technologies — 3 credits/ 5.1 ECTS
- ID: PE018IU — History of Vietnamese Communist Party — 2 credits/ 3.4 ECTS
- ID: PE019IU — Ho Chi Minh's thought — 2 credits/ 3.4 ECTS

Legends

- Previous Course
- Co-requisite