Rev. 66.06.30

B.Eng. Computer Engineering: Curriculum 2661

Y1.1 (21)
- CN101 (3) Intro to Comp. Prog.
- CN102 (1) Programming Practice 1
- CE100 (0) Ethics for Engineers
- ME100 (3) Engineering Graphics
- SC133 (3) Physics 1
- SC183 (1) Physics Lab 1
- MA111 (3) Fund. Calculus
- TU050 (0) English Skill Dev.
- SC123 (3) Chemistry
- SC173 (1) Chemistry Lab

Y1.2 (22)
- CN201 (4) OOP
- CN103 (1) Programming Practice 2
- CE101 (1) Intro to Engineering
- IE121 (3) Engineering Materials 1
- SC134 (3) Physics 2
- SC184 (1) Physics Lab 2
- MA112 (3) Applied Calculus
- TU105 (3) Comm. Skills in English
- TU104 (3) Critical Thinking, Reading, Writing

Y2.1 (19)
- CN202 (3) Data & Algorithms 1
- CN260 (3) Circuits & Electronics
- CN261 (1) Circuits & Electronics Lab
- CN200 (3) Discrete Maths
- CN204 (3) Probability & Random Processes
- MA214 (3) Diff. Equations
- TU100 (3) Civic Engagement

Y2.2 (20)
- CN203 (3) Data & Algorithms 2
- CN210 (3) Comp. Arch.
- CN230 (3) Database
- CN262 (3) Digital Circuits Design
- CN240 (3) Data Science for Signal Processing
- TU106 (3) Creativity & Comm.
- XX.XXX (2) * General Study

* Choose from General Study Section 2 at least 2 credits

Y3.1 (21)
- CN321 (3) Data Com. & Network 1
- CN331 (3) Software Eng.
- CN361 (3) Micro. Systems Design
- CN350 (3) Intro to Cryptography
- CN3XX (3) Design & Dev. Elective
- CN3XX (3) Design & Dev. Elective
- CN3XX (3) Design & Dev. Elective

Y3.2 (21)
- CN311 (3) OS
- CN332 (3) OOAD
- CN333 (3) Mobile App. Dev.
- CN3YY (3) Field Elective
- CN3YY (3) Field Elective
- CN3YY (3) Field Elective
- TU101 / TU109 (3) Thailand, Asean & the World / Innovation and Entrepreneurial Mindset

Y3.S (1)
- Track 1: CN380 (1) ** Internship

** Junior standing

Y3.S (6)
- Track 3: XX.XXX (3) Free Elective
- CN471 (3) *** Research Project 1

*** Junior standing and GPA of 5 semesters at least 3.00 and have earned at least 22 credits of CN courses.

**** (1) Senior standing and (2) have passed CN201 and have earned at least 22 credits of CN courses.

Y4.1 (16)
- Track 1: CN4XX (3) Track Elective; CN4XX (3) Track Elective; XX.XXX (3) Free Elective; XX.XXX (3) Free Elective; CN401 (1) **** Project 1; TU102 / TU108 (3) Social Life Skills / Self-Dev.

Y4.1 (22)
- Track 2: CN4XX (3) Track Elective; CN4XX (3) Track Elective; XX.XXX (3) Free Elective; XX.XXX (3) Free Elective; CN403 (4) **** Preparation for Co-op Ed.; TU102 / TU108 (3) Social Life Skills / Self-Dev.; TU103 / TU107 (3) Life & Sustainability / Digital Skill

Y4.1 (22)
- Track 3: CN4XX (3) Track Elective; CN4XX (3) Track Elective; XX.XXX (3) Free Elective; CN472 (7) Research Project 2; TU102 / TU108 (3) Social Life Skills / Self-Dev.; TU103 / TU107 (3) Life & Sustainability / Digital Skill

Y4.2 (11)
- Track 1: CN4XX (3) Track Elective; CN4XX (3) Track Elective; CN402 (2) Project 2; TU103 / TU107 (3) Life & Sustainability / Digital Skill

Y4.2 (6)
- Track 2: CN404 (6) Co-op Ed.

Y4.2 (0)
- Track 3: CN473 (0) ***** Research Methodologies

***** Or paper accepted

Have taken
Have taken or taking together
Have earned credits
Have earned credits or taking together
Have earned credits or exempt
Have earned credits or with permission

Track 1 – Project

Track 2 – Co-op Education

Track 3 – Research Project

Prerequisite not shown for

- Design & Dev. Electives

- Field Electives

- Track Electives

- Free Electives