

## Industrial Engineering Admission Policy

Admission to the University is based on a selection process that is applied to all prospective students regardless of age, race, sex, religion, national origin and economic status. Every applicant is assessed in terms of his/her qualifications to profit from the educational programs of the different colleges. The following factors are considered in such assessment: past scholastic records; scholastic aptitude, character, recommendations and applicant's acceptance of the policies, rules and regulation of the Colleges and of the University

Institutional Testing and Evaluation Center (ITEC) developed and implemented an assessment process that evaluates the student's qualification. ITEC defines and establishes the student admissions screening mechanism. The HAU College Entrance Test (HAU CET), which has undergone adjustments through test validation studies, is the sole basis for student screening .

In SY 2018-2019 the introduction of the K-12 curriculum cleared the ground for the formation of an advanced level of HAU Mental Ability Test (HAU-MAT), which corresponded to a two-year increase in the age level of college, The Reading Comprehension, English Grammar, Math Knowledge, Verbal Language, Visual Acuity, and Non-verbal Reasoning are among the verbal and non-verbal aptitude categories covered by the advanced exam.

The competency mapping between HAU-MAT and ISLOs is shown in Reading comprehension, English grammar, and math knowledge tests carry the most weight in the admission criteria. The percentage weight distribution differs by school or college. Statistical analyses using regression analysis for the SEA revealed that Reading Comprehension, Mathematical Knowledge, and English Grammar, which accounted for 70% of the percent distribution, were significant correlates of good academic performance during the students' first academic year.

To qualify to be an SEA student, the entrance exam score should be least 50 %. The following is the admission formula for SEA applicants based on their entrance exam results: SEA: (BSIE) = Reading Comprehension PR\*30 + Math Knowledge PR \* 20 + English Grammar \* 20 + Visual Acuity \* 10 + Verbal Language \* 10 + Non-verbal reasoning \*5 Basic Computer \* 5.

The composite percentile rank is used to determine who is admitted to the BSIE program. A cut-off score for BSIE is established at a composite score in the 40<sup>th</sup> PR, which is similar to a medium average description in psychometric norm-referenced interpretation. These criteria are revised on a regular basis. Regression studies and/or norm updates are used to accomplish this.

The newly devised screening system (since entrance test is waived) factors in HS grades and results of students from their self-reported local interest test and the new system has no cut-off requirement. Our intent is just to know if a student's interest and ability based on HS grades match his preferred program. So for the interest test, a student should have a dominant interest that matches the course program. "*Investigative*" was the top career theme.