# SAMARKAND INTERNATIONAL UNIVERSITY OF TECHNOLOGY

"CONFIRMED"
Y. N. Abdullaev – The Rector of
Samarkand International
University of Technology
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## CURRICULUM
**Major: Mechanical Engineering**
**Academic degree – Bachelors of Science**
**Duration of Education - 4 years**
**Form of Education - Day time**

### Outline of Mechanical Engineering Program at School of Engineering

| SIUT Mechanical Engineering Curriculum | | | |
|---|---|---|---|
| **Freshmen Fall** | | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| CALC26S11 | Calculus – I | 3 | |
| GCAL26S12 | General Chemistry & Lab | 3 | |
| ICT26S13 | ICT | 3 | |
| ITEN26S14 | Introduction to Engineering | 3 | |
| ACEN26S15 | Academic English I | 3 | |
| SELA26S16 | Second Language I (French, Chinese or Korean) | 3 | Selection |
| | **TOTAL CREDITS** | **18** | |
| **FFIN26S17** | **Freshmen Fall Internship** | | **Pass/Fail** |
| **Freshmen Spring** | | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| CALC27S21 | Calculus II | 3 | |
| PMAL27S22 | Physics I - Mechanics & Lab | 3 | |
| LALG27S23 | Linear Algebra | 3 | |
| FDES27S24 | Freshman Design | 3 | |
| ACEN27S25 | Academic English II | 3 | |
| SELA27S26 | Second Language II (French, Chinese or Korean) | 3 | Selection |
| | **TOTAL CREDITS** | **18** | |
| **FSIN27S27** | **Freshmen Summer Internship** | 1 | |
| **Sophomore Fall** | | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| DEQU27S31 | Differential Equations | 3 | |
| PEML27S32 | Physics II - Electricity and Magnetic & Lab | 3 | |
| STAT27S33 | Statics | 3 | |
| THER27S34 | Thermodynamics I | 3 | |
| ACEN27S35 | Academic English III | 3 | |

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| SELA27S36 | Second Language III (French, Chinese or Korean) | 3 | Selection |
| | **TOTAL CREDITS** | **18** | |
| **SFIN27S37** | **Sophomore Fall Internship** | | **Pass/Fail** |
| **Sophomore Spring** | | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| SAPR28S41 | Statistics and Probability | 3 | |
| NANA28S42 | Numerical Analysis | 3 | |
| DYNA28S43 | Dynamics | 3 | |
| THER28S44 | Thermodynamics II | 3 | |
| ACEN28S45 | Academic English IV | 3 | |
| SELA28S46 | Second Language IV (French, Chinese or Korean) | 3 | Selection |
| | **TOTAL CREDITS** | **18** | |
| **SSIN28S47** | **Sophomore Summer Internship** | **1** | |
| **Junior Fall** | | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| OMIE28S51 | Optimization Methods in Engineering | **3** | |
| FMAL28S52 | Fluid Mechanics & Lab | 4 | |
| SOML28S53 | Strength of Materials & Lab | 3 | |
| HSCI28S54 | Human Science Elective | 2 | |
| DAPY28S55 | Data Analysis (Python) | 3 | |
| | **TOTAL CREDITS** | **15** | |
| **JFIN28S56** | **Junior Fall Internship** | | **Pass/Fail** |
| **Junior Spring** | | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| CTHE29S61 | Control Theory | 3 | |
| VIBR29S62 | Vibrations | 4 | |
| DAVL29S63 | Dynamic and Vibration Lab | 1 | |
| HMTL29S64 | Heat and Mass Transfer and Lab | 4 | |
| HSCI29S65 | Human Science Elective | 2 | |
| ITML29S66 | Introduction to Machine Learning | 3 | |
| | **TOTAL CREDITS** | **17** | |
| **JSIN29S67** | **Junior Summer Internship** | 1 | |
| **Senior Fall** | | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| DOMA29S71 | Dynamic of Machines | 3 | |
| MEDE29S72 | Machine Element Design (SOLID WORKS included) | 3 | |
| HVAC29S73 | HVAC (Design) | 3 | |
| EEPR29S74 | Engineer, Ethics, Profession, Responsibility | 2 | |
| MAFE29S75 | Management & Finance in Engineering | 3 | |

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| | **TOTAL CREDITS** | **14** | |
| **SFIN29S76** | **Senior Fall Internship** | | **Pass/Fail** |
| **Senior Spring** | | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| **INTE30S81** | **Internship in Company** | 2 | |
| BAPR30S82 | Bachelor Project/Paper | 4 | |
| | **TOTAL CREDITS** | **6** | |
| | **TOTAL CREDITS FOR DEGREE** | **127** | |