# SAMARKAND INTERNATIONAL UNIVERSITY OF TECHNOLOGY

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

### Outline of Petroleum Engineering Program at School of Engineering

| SIUT Petroleum 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 | |

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| PGEC27S34 | Physical Geology | 3 | |
| ACEN27S35 | Academic English III | 3 | |
| 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 | |
| ITTH28S42 | Introduction to Thermodynamics | 3 | |
| RRPR28S43 | Reservoir Rock Properties | 3 | |
| SOML28S44 | Strength of Materials & Lab | 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** |
| NANA28S51 | Numerical Analysis | **2** | |
| RFPL28S52 | Reservoir Fluid Properties & Lab | 4 | |
| DACO28S53 | Drilling and Completions | 4 | |
| HSCI28S54 | Human Science Elective | 2 | |
| SAST28S55 | Sedimentology and Stratigraphy | 3 | |
| | **TOTAL CREDITS** | **15** | |
| **JFIN28S56** | **Junior Fall Internship** | | **Pass/Fail** |
| | **Junior Spring** | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| FEVA29S61 | Formation Evaluation | 4 | |
| PCEN29S62 | Petroleum Chemical Engineering | 3 | |
| MPPP29S63 | Mechanics and Process of Petroleum Production | 4 | |
| DANA29S64 | Data Analysis (Python) | 3 | |
| HSCI29S65 | Human Science Elective | 2 | |
| | **TOTAL CREDITS** | **16** | |
| **JSIN29S66** | **Junior Summer Internship** | 1 | |
| | **Senior Fall** | | |
| **Course Number** | **Course Title** | **Credit Hours** | **Remark** |
| PGEO29S71 | Petroleum Geology | 3 | |

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| RMOD29S72 | Reservoir Modeling | 3 | |
| WTES29S73 | Well Testing | 3 | |
| EEPR29S74 | Engineer, Ethics, Profession, Responsibility | 2 | |
| MAFE29S75 | Management & Finance in Engineering | 3 | |
| | **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** | **126** | |