

Course Requirements and Registration Priorities (Undergraduate), Summer 2017

| # | Abbr | Title | Cr(US) | Cr(ECTS) | PreRequisite | CoRequisite | AntiRequisite | 1st priority registration | 2nd priority registration | 3rd priority registration | 4th priority registration |
|------------------------------|-----------|---------------------------------|--------|----------|--|---|---------------|---------------------------|---------------------------|---------------------------|---------------------------|
| SEng | | | | | | | | | | | |
| Chemical Engineering | | | | | | | | | | | |
| 1 | ECHE 222 | Chemistry I | 3 | 6 | | | | | | | |
| School of Engineering | | | | | | | | | | | |
| 2 | BENG 308 | Internship | 4 | 8 | | | | | | | |
| 3 | BENG 312 | Internship | 6 | 12 | | | | | | | |
| SST | | | | | | | | | | | |
| Biological Science | | | | | | | | | | | |
| 4 | BIOL 399 | Biology Internship - 2B | 3 | 6 | | | | Through Add form only | | | |
| 5 | BIOL 492 | Directed study in Biology | 3 | 6 | | | | Through Add form only | | | |
| Chemistry | | | | | | | | | | | |
| 6 | CHEM 101L | General Chemistry I lab | 1 | 2 | | CHEM 101 General Chemistry I (C and above) | | Chemistry | SST | SHSS | |
| 7 | CHEM 102 | General Chemistry II | 3 | 6 | CHEM 101 General Chemistry I (C and above) | | | Chemistry | SST | SHSS | |
| 8 | CHEM 102L | General Chemistry II lab | 1 | 2 | CHEM 101L General Chemistry I lab (C and above) | CHEM 102 General Chemistry II (C and above) | | Chemistry | SST | SHSS | |
| 9 | CHEM 189c | Independent Study | 3 | 6 | | | | Through Add form only | | | |
| 10 | CHEM 388 | Chemistry Internship | 3 | 6 | | | | Through Add form only | | | |
| Computer Science | | | | | | | | | | | |
| 11 | CSCI 152 | Performance and Data Structures | 4 | 8 | CSCI 151 Programming for Scientists and Engineers (C- and above) OR CSCI 150 Fundamentals of Programming (C- and above) OR CSCI 261 Object Oriented Programming with Java I (C- and above) OR ROBT 102 Programming for robotics and physics (C- and above) | | | Computer Science | SST | SHSS | |

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| 12 | CSCI 299 | Internship I | 3 | 6 | | | | Through Add form only | | | |
| 13 | CSCI 398 | Directed Study | 3 | 6 | | | | Through Add form only | | | |
| 14 | CSCI 399 | Internship II | 3 | 6 | | | | Through Add form only | | | |
| 15 | CSCI 399A | Internship II - A | 1 | 2 | | | | Through Add form only | | | |
| 16 | CSCI 399F | Internship II - F | 6 | 12 | | | | Through Add form only | | | |
| Mathematics | | | | | | | | | | | |
| 17 | MATH 161 | Calculus I | 4 | 8 | | | | Through Add form only | | | |
| 18 | MATH 162 | Calculus II | 4 | 8 | MATH 161 Calculus I (C and above) | | | Mathematics | SST | SHSS | |
| 19 | MATH 399 | Internship | 3 | 6 | | | | Through Add form only | | | |
| Physics | | | | | | | | | | | |
| 20 | PHYS 161 | Physics I for Scientists and Engineers with Laboratory | 4 | 8 | | MATH 161 Calculus I (D and above) OR MATH 162 Calculus II (D and above) | PHYS 171 Physics I for Physics Majors with Laboratory (C- and above) | Biological Sciences, Chemistry | SST | SHSS | |
| 21 | PHYS 162 | Physics II for Scientists and Engineers with Laboratory | 4 | 8 | PHYS 161 Physics I for Scientists and Engineers with Laboratory (C- and above) OR PHYS 151 Introductory Physics I with Lab (C- and above) | | PHYS 172 Physics II for Physics Majors with Laboratory (C- and above) | Physics | SST | SHSS | |
| 22 | PHYS 299 | Research project and internship | 3 | 6 | | | | Through Add form only | | | |
| 23 | PHYS 399 | Physics Research Project | 3 | 6 | | | | Through Add form only | | | |
| 24 | PHYS 491 | Directed Study of Advanced Physics Topics | 3 | 6 | | | | Through Add form only | | | |
| Robotics and Mechatronics | | | | | | | | | | | |
| 25 | ROBT 399 | Internship | 3 | 6 | | | | Through Add form only | | | |
| SHSS | | | | | | | | | | | |
| Area Studies | | | | | | | | | | | |
| 26 | T-COM ARTS 347 | Race, Ethnicity, and Media | 3 | 6 | | | | Through Add form only | | | |
| 27 | T-ED PSYCH 301 | How People Learn | 3 | 6 | | | | Through Add form only | | | |
| 28 | T-KINES 277 | Kendo:Intgratn-Mrtl&Lib Art | 3 | 6 | | | | Through Add form only | | | |

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| 29 | T-SOC 120 | Marriage and Family | 3 | 6 | | | | Through Add form only | | | |
| 30 | T-SOC 641 | Sociology of Law | 3 | 6 | | | | Through Add form only | | | |
| Communication and Composition | | | | | | | | | | | |
| 31 | COMM 240 | Health Communication | 3 | 6 | | | | SEng, SHSS, SST | | | |
| 32 | COMM 350 | Science, Health, and Social Influence | 3 | 6 | | | | SEng, SHSS, SST | | | |
| 33 | SHSS 300 | SHSS Internship | 3 | 6 | | | | Through Add form only | | | |
| 34 | SHSS 301 | SHSS Internship Second Experience | 3 | 6 | | | | Through Add form only | | | |
| 35 | SHSS 398 | Independent Study | 1 | 2 | | | | Through Add form only | | | |
| Economics | | | | | | | | | | | |
| 36 | ECON 300 | Research Assistance in Economics | 1 | 2 | ECON 101 Introduction to Microeconomics (C- and above) AND ECON 102 Introduction to Macroeconomics (C- and above) | | | Through Add form only | | | |
| History, Philosophy and Religious Studies | | | | | | | | | | | |
| 37 | HST 100 | History of Kazakhstan | 3 | 6 | | | | 3 year SEng, 3 year SHSS, 3 year SST, 4 year SEng, 4 year SHSS, 4 year SST | SEng, SHSS, SST | | |
| 38 | HST 104 | Central Asian History II (1700 - 1991) | 3 | 6 | | | | SEng, SHSS, SST | | | |
| 39 | PHIL 399 | Special Topics in Philosophy | 3 | 6 | PHIL 101 Introduction to Philosophy (C- and above) OR PHIL 210 Ethics (C- and above) OR PHIL 220 Truth, Knowledge and Belief (C- and above) OR PHIL 230/PLS 230 Religion and Democracy (C- and above) | | | SEng, SHSS, SST | | | |
| Humanities | | | | | | | | | | | |
| 40 | T-ENGL 357 | Major American Poets | 3 | 6 | | | | SEng, SHSS, SST | | | |
| 41 | T-HISTORY 213 | Jews and American Pop. Culture | 3 | 6 | | | | SEng, SHSS, SST | | | |
| Kazakh Language and Turkic Studies | | | | | | | | | | | |
| 42 | KAZ 101 | Basic Kazakh I | 3 | 6 | KLL "Basic I" | | | SEng | SHSS, SST | | |
| 43 | KAZ 111 | Intermediate Kazakh I | 3 | 6 | KLL "Intermediate I" | | | Through Add form only | | | |
| 44 | KAZ 121 | Upper-Intermediate Kazakh | 3 | 6 | KLL "Upper-Intermediate" | | | SEng | SHSS, SST | | |

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| 45 | KAZ 211 | Kazakh Rhetoric | 3 | 6 | KLL "Advanced" OR KLL "Upper-Intermediate" | | | SEng | SHSS, SST | | |
| 46 | KAZ 366 | Kazakh Language for Engineers | 3 | 6 | KLL "Advanced" OR KLL "Upper-Intermediate" | | | SEng | SHSS, SST | | |
| 47 | KAZ 367 | Practical Cultural Kazakh Language | 0 | 0 | | | | Through Add form only | | | |
| Languages, Literature and Linguistics | | | | | | | | | | | |
| 48 | FRE 221 | Introduction to French and Francophone Studies | 3 | 6 | FRE 102 Beginning French II (C- and above) | | | Through Add form only | | | |
| 49 | FRE 311 | French for Oral Proficiency | 3 | 6 | FRE 201 Intermediate French I (C- and above) | | | SEng, SHSS, SST | | | |
| 50 | RFL 103 | Intensive Beginning Russian | 8 | 16 | | | | Through Add form only | | | |
| 51 | RFL 203 | Intensive Intermediate Russian | 8 | 16 | | | | Through Add form only | | | |
| 52 | RFL 303 | Intensive Advanced Russian | 8 | 16 | | | | Through Add form only | | | |
| 53 | RFL 403 | Intensive Advanced and Superior Composition and Conversation Russian | 8 | 16 | | | | Through Add form only | | | |
| 54 | WLL 246 | Survey of Contemporary Russian Literature and Culture | 3 | 6 | Subject "WLL" BETWEEN 100 and 199 OR SHSS 150 Rhetoric and Composition (C- and above) | | | SEng, SHSS, SST | | | |
| 55 | WLL 371 | Practicum in Teaching Foreign Languages | 2 | 4 | | | | SEng, SHSS, SST | | | |
| 56 | WLL 399 | Independent Study | 3 | 6 | | | | Through Add form only | | | |
| Political Science and International Relations | | | | | | | | | | | |
| 57 | PLS 395 | Independent Study | 3 | 6 | | | | Through Add form only | | | |
| SHSS | | | | | | | | | | | |
| 58 | T-ANTHRO 104 | Cult Anthro&Human Diversity | 3 | 6 | | | | Through Add form only | | | |
| Sociology and Anthropology | | | | | | | | | | | |
| 59 | ANT 101 | Introduction to Sociocultural Anthropology | 3 | 6 | | | | SEng, SHSS, SST | | | |
| 60 | ANT 399 | Special Topics in Anthropology | 3 | 6 | | | | Through Add form only | | | |

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| 61 | ANT 400 | Research Assistance in Anthropology | 1 | 2 | SOC 201 Social Science Research Methods (C- and above) OR SOC 203 Quantitative Methods in Sociology (C- and above) OR SOC 214/ANT 214 Qualitative Methods (C- and above) | | | Through Add form only | | |
| 62 | SOC 101 | Introduction to Sociology | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| Other | | | | | | | | | | |
| Area Studies | | | | | | | | | | |
| 63 | T-ISYE 313 | Engineering Economic Analysis | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 64 | T-LAND ARC 375 | Intro to architectural and environmental design | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 65 | T-SOC 138 | The Sociology of Gender | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| Biological Science | | | | | | | | | | |
| 66 | T-ENVIRST 260 | Introductory Ecology | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| Chemistry | | | | | | | | | | |
| 67 | T-GENETICS 466 | Principles of Genetics | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| Humanities | | | | | | | | | | |
| 68 | T-PSYCH 202 | Introduction to Psychology | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| Mathematics | | | | | | | | | | |
| 69 | T-MATH 431 | Intro-Theory of Probability | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 70 | T-STAT 431 | Intro-Theory of Probability | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| Mechanical Engineering | | | | | | | | | | |
| 71 | T-M E 361 | Thermodynamics | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 72 | T-ME 420 | Polymer Composites Processing | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |

| SHSS | | | | | | | | | | |
|-----------------------|----------------|--|---|---|--|--|--|--------------------------------------|------------|--------------------------------------|
| 73 | T-4ZSS 0115 | International Business | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 74 | T-INTL BUS 200 | International Business | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 75 | T-ISSU 1009 | International Politics of Human Rights | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 76 | T-PHILOS 211 | Elementary Logic | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 77 | T-PHYSIOL 335 | Physiology | 4 | 8 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| School of Engineering | | | | | | | | | | |
| 78 | T-CBE 255 | Introduction to Chemical Process Modeling | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 79 | T-COMP SCI 540 | Intro-Artificial Intelligence | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 80 | T-DS 501 | Dsn Thinking - Inspire, Innovate | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 81 | T-MSE 350 | Introduction to Materials Science | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| Social Science | | | | | | | | | | |
| 82 | T-JMM 570 | Politics and Economics of the Free Society | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 83 | T-MHR 434 | Venture Creation | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |
| 84 | T-SOC 134 | Am Racial & Ethnic Minorities | 3 | 6 | | | | 1 year SHSS, Anthropology, Sociology | 1 year SST | 2 year SEng, 2 year SHSS, 2 year SST |