

**Software Engineering Department
Required Courses 2019 admits**

Fall 2019

| | Denomination | Аталышы | Название | Code | ID | Lang | Prer. | Cr | Class es per week | Time | Sec | # of student s | # of gro ups | Room | Name of Instructor | | | |
|-------------------------------------|--|---|--|---------|------|------|-------|----|----------------------------|------|-----------|----------------------|--------------------|------|--------------------------------------|---------------------------|------------------------------|------------|
| Required courses 2019 admits | | | | | | | | | | | | | | | | | | |
| 1 | Structural Programming | Структуралык программалоо | Структурное программирование | COM 118 | 4322 | Eng | none | 6 | 2 | Lec | Mon 14:10 | 1 | 36 | /P | Michael Brady Associate professor | | | |
| | | | | | | | | | | | Wed 14:10 | | | | | 36 LOCK | | |
| | | | | | | | | | | Lab | Wed 12:45 | 1 | 12 LOCK | | | G31 | Toksaitov D.A. Instructor | |
| | | | | | | | | | | | Fri 12:45 | | | | | | | 12 |
| | | | | | | | | | | | Thu 10:50 | | | | | G30 | Shostak D.G. Instructor | |
| | | | | | | | | | | | Thu 12:45 | | | | | | | 12 LOCK |
| | | | | | | | | | | | Thu 14:10 | | | | | | | 12 LOCK |
| Fri 12:45 | 12 LOCK | | | | | | | | | | | | | | | | | |
| 2 | Introduction to Software Engineering and Informatics | Программалык камсыздоо жана информатикага киришүү | Введение в программную инженерию и информатику | COM 108 | 4321 | Eng | none | 6 | 2 | Lec | Tue 9:25 | 1 | 22 | 433 | Albanov E. Instructor | | | |
| | | | | | | | | | | Lab | Tue 10:50 | | | | | | | |
| | | | | | | | | | | Lec | Thu 9:25 | 2 | 22 | | 433 | Shimarov A. Instructor | | |
| | | | | | | | | | | Lab | Thu 10:50 | | | | | | | |
| | | | | | | | | | | Lec | Tue 10:50 | 3 | 22 | | 432 | Okenaeva K. Instructor | | |
| Lab | Thu 10:50 | | | | | | | | | | | | | | | | | |

Required Courses 2018 admits

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|-----|---|---|---|-----------|------|-----|----------------|---|---|-----|-----------|---|------------|---|----|----------------------------|---|
| 1 | Discrete mathematics and mathematical logic I | Дискреттик математика жана математикалык логика I | Дискретная математика и математическая логика I | COM 227 | 3129 | Eng | COM 110/1 /4/7 | 6 | 2 | Lec | Tue 12:45 | 1 | 15 LOCK | 5 | /P | Sklyar S.N. Professor | |
| | | | | | | | | | | Lab | Thu 12:45 | | | | | | |
| | | | | | | | | | | Lec | Tue 14:10 | 2 | 15 | | | | Altynnikova L.A. Associate professor |
| | | | | | | | | | | Lab | Thu 14:10 | | | | | | |
| | | | | | | | | | | Lec | Tue 10:50 | 3 | 15 | | | | |
| | | | | | | | | | | Lab | Thu 10:50 | | | | | | |
| | | | | | | | | | | Lec | Tue 12:45 | 4 | 15 | | | | |
| Lab | Thu 12:45 | | | | | | | | | | | | | | | | |
| Lec | Tue 14:10 | 5 | 15 | | | | | | | | | | | | | | |
| Lab | Thu 14:10 | | | | | | | | | | | | | | | | |
| 2 | Algorithms and Data Structures | Алгоритмдер жана маалыматтардын түзүлүшү | Алгоритмы и структуры данных | COM 223.1 | 3114 | Eng | COM 112/3 | 6 | 2 | Lec | Wed 12:45 | 1 | 50 | 4 | /P | Shostak D.G. Instructor | |
| | | | | | | | | | | Lab | Wed 14:10 | | | | | | 1 |
| | | | | | | | | | | | Wed 15:35 | 2 | 13 | | | | |
| | | | | | | | | | | | Fri 14:10 | 3 | 12 | | | | |
| | | | | | | | | | | | Fri 15:35 | 4 | 12 LOCK | | | | |

Required Courses for admits before 2016

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|---|---------------------|--------------------------------|-------------------|-----------|------|-----|---------|---|---|-----|-----------|---|---|---|-----------|-------------------------------------|
| 1 | Database Principles | Маалымат базаларынын негиздери | Основы баз данных | COM 210.1 | 3326 | Eng | COM 117 | 6 | 2 | Lec | Fri 10:50 | 1 | 3 | 1 | /P 432 | Gurinov A.V. Assistant professor |
| | | | | | | | | | | Lab | Fri 12:45 | | | | | |

Required courses for 2017 admits

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|---|-------------------|-------------------------|----------------------|-----------|------|-----|---------|---|---|-----|-----------|---|----|---|-----------|-------------------------------------|-----|-------------------------------------|
| 1 | Database | База данных | Маалымат базалар | COM 213 | 4773 | Eng | COM 119 | 6 | 2 | Lec | Fri 10:50 | 1 | 43 | 3 | /P 432 | Gurinov A.V. Assistant professor | | |
| | | | | | | | | | | Lab | Fri 12:45 | | | | | | 1 | 12 |
| | | | | | | | | | | | Fri 12:45 | 2 | 15 | | | | | |
| | | | | | | | | | | | Fri 14:10 | 3 | 15 | | | | | |
| 2 | Operating Systems | Операциондук системалар | Операционные системы | COM 341.1 | 3325 | Eng | COM 117 | 6 | 2 | Lec | Mon 10:50 | 1 | 45 | 4 | /P G31 | Toksaitov D.A. Instructor | | |
| | | | | | | | | | | Lab | Mon 12:45 | | | | | | 1 | 15 |
| | | | | | | | | | | | Mon 14:10 | 2 | 15 | | | | | |
| | | | | | | | | | | | Wed 14:10 | 3 | 15 | | | | | |
| | | | | | | | | | | Lec | Tue 14:10 | 4 | 15 | | | | G31 | Osmonov M.S. Associate Professor |
| | | | | | | | | | | Lab | Tue 15:35 | | | | | | | |

*For Applied Mathematics and Informatics

Required Courses 2016 admits

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|---|--------------------------------------|--|--|-----------|------|-----|---------------------|---|---|-----|-----------|---|----|---|-----------|-------------------------------------|
| 1 | Software Engineering I | Программа түзүү инженерлиги I | Проектирование программного обеспечения | COM 421.1 | 3705 | Eng | COM 117 | 6 | 2 | Lec | Wed 8:00 | 1 | 30 | 1 | G30 | Baryshnikov K.A. Instructor |
| | | | | | | | | | | Lab | Fri 8:00 | | | | | |
| 2 | Parallel and Distributed Programming | Параллелдик жана тармакталынган программалоо | Параллельное и распределенное программирование | COM 451.1 | 3708 | Eng | COM 341.1 | 6 | 2 | Lec | Mon 10:50 | 1 | 30 | 1 | /P G30 | Brady M. Associate professor |
| | | | | | | | | | | Lab | Wed 9:25 | | | | | |
| | | | | | | | | | | | Wed 10:50 | 1 | 15 | | | |
| 3 | Senior Project I | Бүтүрүчү квалификациялык иш I | Выпускная квалификационная работа I | COM 431.1 | 3706 | Eng | COM 117 401.1 341.1 | 6 | 2 | Lec | Mon 12:45 | 1 | 30 | 1 | /P /P | Bakenov A.S. Associate Professor |
| | | | | | | | | | | Lab | Fri 12:45 | | | | | |

Elective courses for 2016-2018 admits

| № | Denomination | Аталышы | Название | Code | ID | Lang | Prer. | Cr | Classes per week | Time | | Sec | # of students | # of groups | Room | Name of Instructor |
|----|-----------------------------------|---|---------------------------------------|-------------|------|------|-------------------|----|------------------|------|------------------------|-----|---------------|-------------|------|--|
| | | | | | | | | | | Lec | Lab | | | | | |
| 1. | Computer Networks | Компьютердик тармактар | Компьютерные сети | COM 416.1 | 3709 | Eng | COM 324.1/431.1 | 6 | 2 | Lec | Tue 9:25 | 1 | 25 | 1 | G30 | Jumabek uulu Zarlyk Instructor |
| | | | | | | | | | | Lab | Tue 10:50 | | | | | |
| 2. | Information Security | Маалыматтык коопсуздук | Безопасность информационных систем | COM 424.1 | 3953 | Eng | COM 324.1 | 6 | 2 | Lec | Tue 12:45 | 1 | 15 | 1 | G30 | Jumabek uulu Zarlyk Instructor |
| | | | | | | | | | | Lab | Tue 14:10 | | | | | |
| 3. | Introduction to Web Programming | Веб программалого киришүү | Введение в Веб программирование | COM 388.1 | 3040 | Eng | COM 114 | 6 | 2 | Lec | Fri 14:10 | 1 | 15 | 1 | G31 | Toksaitov D.A. Instructor |
| | | | | | | | | | | Lab | Fri 15:35 | | | | | |
| 4. | Competitive Programming | Спорттук программалоо | Спортивное программирование | COM/SPO 200 | 4320 | Eng | - | 0 | 1 | Lec | Thu 15:35 | 1 | 20 | 1 | G30 | Shostak D.G. Instructor |
| 5. | Digital Integrated Circuit Design | Санариптик интегралдык микросхемалардын иштеп чыгуу | Разработка цифровых интегральных схем | COM 333 | 4143 | Eng | COM 228 | 6 | 2 | Lec | Tue 10:50 | 1 | 15 | 1 | 223 | Osmonov M.S. Associate Professor |
| | | | | | | | | | | Lab | Tue 12:45 | | | | | |
| 6. | Game Development | Оюндун иштеп чыгуу | Разработка игр | COM 299 | 3956 | Eng | COM 117/119 | 6 | 2 | Lec | Wed 10:50 | 1 | 15 | 1 | G31 | Toksaitov D.A. Instructor |
| | | | | | | | | | | Lab | Fri 10:50 | | | | | |
| 7. | Machine learning | Машина аркылуу үйрөнүү | Машинное обучение | COM 474 | 4774 | Eng | COM 410 MAT 131.2 | 6 | 2 | Lec | Mon 12:45 | 1 | 15 | 1 | G30 | Brady M. Associate professor |
| | | | | | | | | | | Lab | Wed 12:45 | | | | | |
| 8. | iOS Application Development (eng) | Тикмелердин үчүн iOS иштеп чыгуу (англ) | iOS- разработка (англ) | COM 256 | 4624 | Eng | COM 117/119 | 6 | 2 | Lec | Tue 18:30 | 1 | 15 | 1 | G31 | Orlov D.A. Teacher-assistant |
| | | | | | | | | | | Lab | Sat 10:50 Sat 12:45 | | | | C07 | |

Coordinator of the Program

Bakenov A.S.