List of Minors, Certificates and Common Duals

Typically, there are approximately 40 hours (±) required by each college you major in, 40 hours (±) for each major, and 40 hours (±) electives.

The University requires 45 hours of 300 level or above. 28 of these hours are met by a math degree, you can pick up the other 17 by pursuing a dual or minor or certificate program. Having focused your electives on an additional program looks really good to future employers and is encouraged by the ASMATH program. If you are math only and pursuing a pre-graduate track, additional math courses can make up the 17 required electives of 300 level or above.

BIE/BMATH
BIE Bachelor - Industrial Engineering
RAGTM Minor - Agricultural Technology Management
RMANS Minor - Manufacturing Systems

BAGECQU/BMATH
BAGEC Bachelor - Agricultural Economics
BAGECFM Bachelor - Agricultural Economics-Farm Management
BAGECQU Bachelor - Agricultural Economics-Quantitative Option
RAGRE Minor - Agricultural Economics

BECON/BMATH
BECON-BS BS - Economics
RECOC Minor – Economics
BECON-BSBE BS - Economics-Business Economics
BECON-BSEA BS - Economics-Economic Analyst
BECON-BSEP BS - Economics-Economic Policy
BECON-BSFE BS - Economics-Financial Economics

BME/BMATH
BME Bachelor - Mechanical Engineering

BMENE/MATH
BMENE Bachelor - Mechanical Engineering-Nuclear Engineering Option
RNUEN Minor - Nuclear Engineering

RLEST Minor - Leadership Studies
RGWSS Minor - Gender, Women, and Sexuality Studies
RAEST Minor - American Ethnic Studies
RAFRIS Minor - African Studies

BBIO/L/BMATH
BBIO/L-BS BS - Biology
RBIOG Minor – Biology

BBIO/MATH
BBIO/L-BS BS - Microbiology
RANPG Minor – Anthropology
BBIOCHBSBM BS - Biochemistry-Biochemistry and Molecular Track
RGBIOT Minor - Applied Genomics and Biotechnology

BBIOCH/BMATH
BBIOCH BS - Biochemistry
BBIOCHBSMD BS - Biochemistry-Medical
BCLSMT-BS BS - Clinical Laboratory Science-Medical Technology
BPHILOBSDM BS - Philosophy - Pre-Medical

BBSE/BMATH
BBSE Bachelor - Biological Systems Engineering
BBSEBI Bachelor-Biological Systems Engg-Biological
BBSEEV Bachelor-Biological Systems Engineering-Environmental
BBSEMA Bachelor-Biological Systems Engineering-Machine Systems
<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBME/BMATH</td>
<td>Bachelor - Biomedical Engineering</td>
</tr>
<tr>
<td>BBIOLG</td>
<td>Minor - Biology</td>
</tr>
<tr>
<td>CHM/BMATH</td>
<td>BS - Chemistry</td>
</tr>
<tr>
<td>BCHM-BS</td>
<td>Minor – Chemistry</td>
</tr>
<tr>
<td>BCS/BJMATH</td>
<td>Bachelor - Computer Science</td>
</tr>
<tr>
<td>BCSCS</td>
<td>Bachelor - Computer Science-Option</td>
</tr>
<tr>
<td>BCSCY</td>
<td>Bachelor - Cybersecurity-Option</td>
</tr>
<tr>
<td>BCSEN</td>
<td>Bachelor - Entrepreneurship-Option</td>
</tr>
<tr>
<td>BCSESE</td>
<td>Bachelor - Software Engineering-Option</td>
</tr>
<tr>
<td>RCOMP</td>
<td>Minor - Computer Science</td>
</tr>
<tr>
<td>BCMPEN/BMATH</td>
<td>Bachelor - Computer Engineering Major</td>
</tr>
<tr>
<td>BCHE/BMATH</td>
<td>Bachelor - Chemical Engineering Major</td>
</tr>
<tr>
<td>BCHE</td>
<td>Bachelor - Chemical Engineering Major</td>
</tr>
<tr>
<td>RCHMS</td>
<td>Minor – Chemistry</td>
</tr>
<tr>
<td>BCE/BJMATH</td>
<td>Bachelor - Civil Engineering Major</td>
</tr>
<tr>
<td>BCECEN</td>
<td>Bachelor - Civil Enggr-ConSTRUCTION Engineering Option</td>
</tr>
<tr>
<td>BCEEV</td>
<td>Bachelor - Civil Engineering-Environmental</td>
</tr>
<tr>
<td>BCEST</td>
<td>Bachelor - Civil Engineering-Structures Option</td>
</tr>
<tr>
<td>BCETR</td>
<td>Bachelor - Civil Engineering-Transportation/Materials</td>
</tr>
<tr>
<td>RAVSAF</td>
<td>Minor - Aviation Safety</td>
</tr>
<tr>
<td>RMATH</td>
<td>Minor – Mathematics</td>
</tr>
<tr>
<td>BEE/BJMATH</td>
<td>Bachelor - Electrical Engineering</td>
</tr>
<tr>
<td>BEE</td>
<td>Bachelor - Electrical Engineering</td>
</tr>
<tr>
<td>BENGL/BJMATH</td>
<td>BA - English</td>
</tr>
<tr>
<td>RENG - HS</td>
<td>Minor - English</td>
</tr>
<tr>
<td>CCASPT</td>
<td>Certificate Study Through Primary Texts-Undergraduate: <em>original literature</em> (A&amp;S)</td>
</tr>
<tr>
<td>RCLSCS</td>
<td>Minor - Classical Studies</td>
</tr>
<tr>
<td>BMCBSJ/MATH</td>
<td>BS - Mass Communication-Journalism</td>
</tr>
<tr>
<td>UPMJMC</td>
<td>Undergraduate - Pre-Journalism and Mass Communication</td>
</tr>
<tr>
<td>RINMC</td>
<td>Minor - Journalism and Mass Communication</td>
</tr>
<tr>
<td>RCOMM</td>
<td>Minor - Communication Studies</td>
</tr>
<tr>
<td>BPHILO/BJMATH</td>
<td>BS - Philosophy</td>
</tr>
<tr>
<td>RPHIL</td>
<td>Minor - Philosophy</td>
</tr>
<tr>
<td>BPHYS/ BMATH</td>
<td>BS - Physics</td>
</tr>
<tr>
<td>BPHYS-BS</td>
<td>Minor - Physics</td>
</tr>
<tr>
<td>RPHYC</td>
<td>Minor - Environmental Geophysics</td>
</tr>
<tr>
<td>REGPHY</td>
<td>Minor – Geology</td>
</tr>
<tr>
<td>RGLGY</td>
<td>Minor – Geology</td>
</tr>
<tr>
<td>BGEOBS/BS</td>
<td>BS – Geology</td>
</tr>
<tr>
<td>GEOBSEG</td>
<td>Bachelor of Science-Geology - Petroleum Geosciences</td>
</tr>
<tr>
<td>GEOBSEG</td>
<td>Bachelor of Science-Geology - Environmental Geosciences</td>
</tr>
<tr>
<td>BMATH/PreGrad Math (PreLaw)/fin</td>
<td>Minor – History</td>
</tr>
</tbody>
</table>
BHIST-BS  BS - History
RPOSC  Minor - Political Science
RCOPL  Minor - Community Planning
BCOMMBSLG  Bachelor-CommStudies-Legal Communication
BCOMMBSPC  Bachelor-Communication Studies-Political Communication
BPHILOBSPL  BS - Philosophy-Pre-Law
BPOLSCBSLW  BS - Political Science - The Law

BGEOG/BMATH - Applied Math
BGEOG-BS  BS - Geography
RGGEO  Minor - Geography
CGISYS  Certificate Geographic Information Systems-Undergraduate (A&S)

RJAZZ  Minor - Jazz
RDANC  Minor - Dance
RTHEA  Minor - Theatre
RMUSI  Minor – Music

BARE/BMATH
BARE  Bachelor - Architectural Engineering
RRTART  Minor - Art

BFINAN/BMATH Actuarial
BFINAN  Bachelor – Finance
BFINANFA  Bachelor - Finance-Financial Analyst
BFINANFM  Bachelor - Finance-Financial Management
RUBUSI  Minor – Business
BFINANFS  Bachelor - Finance-Financial Services
CIRMGT  Certificate Integrated Risk Management-Undergraduate
BECON-BSFE  BS - Economics-Financial Economics

BFINAN/BMATH Applied
BFINAN  Bachelor - Finance
RERTRP  Minor - Entrepreneurship
RAGRB  Minor – Agribusiness
RFINCO  Minor - Financial Counseling
RPFP  Minor - Personal Financial Planning

BSTAT /BMATH Applied
BSTAT-B  BS - Statistics
BSTATDS-B  BS - Statistics and Data Science
RSTAS  Minor - Statistics
BiS  Bachelor - Information Systems
BMIS  Bachelor - Management Information Systems

BCNSM  Bachelor - Construction Science and Management

BMATH/Applied Math
RMMATH  Minor - Mathematics (Alumni have told us that taking additional math helped land their first interviews)
UDUAL  If you are a DUAL major in two different colleges, applying for the UDUAL can reduce your A&S requirements by up to 16 credit hours if planned in advance

Modern Languages
REASIA  Minor - East Asian Studies
RSASIA  Minor - South Asian Studies
RCHINE  Minor – Chinese
RFREN  Minor – French
RGERM  Minor – German
RJAPN  Minor – Japanese
RRUSS  Minor – Russian
RSPAN  Minor - Spanish
K-State Flying Club

BAWSP  Bachelor - Airway Science-Professional Pilot
BETB  Bachelor - Engineering Technology
RAVSAF  Minor - Aviation Safety
RAERO  Minor - Aerospace Studies (Air Force ROTC)
BATNAP  Bachelor-Aeronautical Technology-Airport Management [Salina]
CAPMNF  Certificate Applied Manufacturing-Undergraduate
CAVETC  Certificate Aviation Electronics Technology-Undergraduate
CCOMRC  Certificate Composite Repair-Undergraduate

BATN  Bachelor - Aeronautical Technology / BMATH-BS
BATNAM  Bachelor-Aeronautical Technology-Aviation Maintenance Management [Salina]

Military Science (Army and Air Force ROTC)
RUAS  Minor - Unmanned Aircraft Systems -- Unmanned Aerial Systems Operations (Salina)

CEQSC  Certificate Equine Science-Undergraduate
RENTO  Minor – Entomology
RPLPA  Minor - Plant Pathology