CHEMISTRY, BA

Banner Code: SC-BA-CHEM

Academic Advising
Phone: 703-993-1071
Email: sslayden@gmu.edu
Website: cos.gmu.edu/chemistry/undergraduate-programs/

This program, when coordinated with the necessary courses in education, meets requirements for teacher licensure. It also meets requirements for entrance to medical and other professional schools.

Teacher Licensure
Students who wish to become teachers and plan to seek teacher licensure should consider the following options:

- Chemistry, BA or BS/Curriculum and Instruction, Accelerated MEd (Secondary Education Chemistry concentration)
- Curriculum and Instruction Undergraduate Certificate

Interested students should attend an information session early in their studies. For more information, visit the Graduate School of Education's website (http://gse.gmu.edu).

Requirements

Degree Requirements
Total credits: minimum 120

Students should refer to the Admissions & Policies tab for specific policies related to this program.

Students must complete the chemistry program requirements with a minimum GPA of 2.30 and present no more than two courses with a grade of ‘D’ (1.00) in CHEM coursework at graduation.

BA without Concentration
Students who do not select the optional concentration complete the curriculum requirements listed below.

Chemistry Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 211</td>
<td>General Chemistry I (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 213</td>
<td>General Chemistry Laboratory I (Mason Core)</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 212</td>
<td>General Chemistry II (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 214</td>
<td>General Chemistry Laboratory II (Mason Core)</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 313</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 314</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 315</td>
<td>Organic Chemistry Lab I</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 318</td>
<td>Organic Chemistry Lab II</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 321</td>
<td>Quantitative Chemical Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 331</td>
<td>Physical Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 332</td>
<td>Physical Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 336</td>
<td>Physical Chemistry Lab I ¹</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 337</td>
<td>Physical Chemistry Lab II</td>
<td>2</td>
</tr>
<tr>
<td>Select 5 credits of electives in chemistry</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
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<td>37</td>
</tr>
</tbody>
</table>

¹ Fulfills the writing intensive requirement.

Mathematics Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 113</td>
<td>Analytic Geometry and Calculus I (Mason Core)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Analytic Geometry and Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 213</td>
<td>Analytic Geometry and Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>
Physics Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 243</td>
<td>College Physics I (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>&amp; PHYS 244</td>
<td>and College Physics I Lab (Mason Core)</td>
<td>1</td>
</tr>
<tr>
<td>&amp; PHYS 245</td>
<td>and College Physics II (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>&amp; PHYS 246</td>
<td>and College Physics II Lab (Mason Core)</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 160</td>
<td>University Physics I (Mason Core)</td>
<td>4</td>
</tr>
<tr>
<td>&amp; PHYS 161</td>
<td>and University Physics I Laboratory (Mason Core)</td>
<td>4</td>
</tr>
<tr>
<td>&amp; PHYS 260</td>
<td>(Mason Core)</td>
<td></td>
</tr>
<tr>
<td>&amp; PHYS 261</td>
<td>and University Physics II (Mason Core)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>and University Physics II Laboratory (Mason Core)</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>Credits</td>
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Biology Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 213</td>
<td>Cell Structure and Function (Mason Core)</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>Credits</td>
<td>4</td>
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</tbody>
</table>

Mason Core and Elective Credits

In order to meet a minimum of 120 credits, this degree requires additional credits (specific credit counts by concentration are shown below), which may be applied toward any remaining Mason Core requirements (outlined below), Requirements for Bachelor's Degrees, College Requirements for the BA Degree (outlined below), and elective courses. Students are strongly encouraged to consult with their advisors to ensure that they fulfill all requirements.

- Without concentration: 64 credits
- BC concentration: 58 credits

Mason Core

Some Mason Core requirements may already be fulfilled by the major requirements listed above. Students are strongly encouraged to consult their advisors to ensure they fulfill all remaining Mason Core requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communication (ENGH 101)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Oral Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Information Technology and Computing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Arts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Global Understanding</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Natural Science</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Social and Behavioral Sciences</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Western Civilization/World History</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Integration Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written Communications (ENGH 302)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Writing-Intensive 1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Synthesis/Capstone 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>40</td>
</tr>
</tbody>
</table>

1 Most programs include the writing-intensive course designated for the major as part of the major requirements; this course is therefore not counted towards the total required for Mason Core.

2 Minimum 3 credits required.
College Requirements for the BA Degree

In addition to the program requirements and the Mason Core requirements, students pursuing a BA degree must complete the coursework below. Except where expressly prohibited, a course used to fulfill this college-level requirement may also be used simultaneously to satisfy other requirements such as Mason Core requirements, other college-level requirements, or requirements for the major. In some cases, the requirements listed below may be superseded by requirements of the degree program and the Mason Core.

Philosophy or Religious Studies

Select 3 credits from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 1</td>
<td>Classical Western Political Theory and PHIL 324 Modern Western Political Theory may not be used to fulfill this requirement.</td>
<td></td>
</tr>
<tr>
<td>RELI</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Social and Behavioral Sciences

Choose one approved Mason Core: Social and Behavioral Sciences course in addition to the Mason Core-required course for a total of 6 credits. The two courses used to fulfill the combined college-level and university requirements must be from different disciplines.

This requirement may be fulfilled by completing any course in ANTH, CRIM, ECON, GOVT, HIST 1, LING, PSYC, or SOCI, and the following GGS courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GGS 101</td>
<td>Major World Regions (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>GGS 103</td>
<td>Human Geography (Mason Core)</td>
<td></td>
</tr>
<tr>
<td>GGS 110</td>
<td>Introduction to Geoinformation Technologies</td>
<td></td>
</tr>
<tr>
<td>GGS 301</td>
<td>Political Geography</td>
<td></td>
</tr>
<tr>
<td>GGS 303</td>
<td>Geography of Resource Conservation (Mason Core)</td>
<td></td>
</tr>
<tr>
<td>GGS 304</td>
<td>Population Geography (Mason Core)</td>
<td></td>
</tr>
<tr>
<td>GGS 305</td>
<td>Economic Geography</td>
<td></td>
</tr>
<tr>
<td>GGS 306</td>
<td>Urban Geography</td>
<td></td>
</tr>
<tr>
<td>GGS 315</td>
<td>Geography of the United States</td>
<td></td>
</tr>
<tr>
<td>GGS 316</td>
<td>Geography of Latin America</td>
<td></td>
</tr>
<tr>
<td>GGS 320</td>
<td>Geography of Europe</td>
<td></td>
</tr>
<tr>
<td>GGS 325</td>
<td>Geography of North Africa and the Middle East</td>
<td></td>
</tr>
<tr>
<td>GGS 330</td>
<td>Geography of the Soviet Succession States</td>
<td></td>
</tr>
<tr>
<td>GGS 357</td>
<td>Urban Planning</td>
<td></td>
</tr>
<tr>
<td>GGS 380</td>
<td>Geography of Virginia</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

1 HIST 100 History of Western Civilization (Mason Core) and HIST 125 Introduction to World History (Mason Core) may not be used to fulfill this requirement.

Natural Science

Choose one credit in addition to the Mason Core: Natural Science requirement for a total of 8 credits. This combined college-level and university requirement must be fulfilled by completing two of any approved Mason Core: Natural Science courses that include a laboratory experience.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 124</td>
<td>Human Anatomy and Physiology and BIOL 125 Human Anatomy and Physiology may not be used to fulfill this requirement.</td>
<td></td>
</tr>
</tbody>
</table>

Foreign Language

Intermediate-level proficiency in one foreign language is required. This requirement may be fulfilled by completing a course in a foreign language numbered 202, 209, or 210 (or higher-level courses taught in the language).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select a foreign language course numbered 202, 209, 210, or higher if a waiver isn’t applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Students may be eligible for a waiver of this requirement if they are already proficient in a second language or if they have received a satisfactory score on an approved proficiency test. Additional information on waivers can be found via the college’s Office of Academic and Student Affairs (https://cos.gmu.edu/uaa).

Non-Western Culture

Choose one approved Non-Western Culture Requirement course in addition to the course used to fulfill the Mason Core: Global Understanding requirement. A course used to fulfill the Mason Core: Global Understanding requirement may not be simultaneously used to satisfy this college-level requirement. However, a course used to fulfill this requirement may be used simultaneously to fulfill any other requirements (Mason Core requirements, college-level requirements, or requirements for the major).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 3 credits from approved Non-Western Culture courses if a waiver isn’t applicable:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 114</td>
<td>Introduction to Cultural Anthropology (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 300</td>
<td>Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 302</td>
<td>Peoples and Cultures of Latin America (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 307</td>
<td>Ancient Mesoamerica (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 308</td>
<td>Peoples and Cultures of the Middle East (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 309</td>
<td>Peoples and Cultures of India (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 313</td>
<td>Myth, Magic, and Mind (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 314</td>
<td>Zombies</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 330</td>
<td>Peoples and Cultures of Selected Regions: Non-Western</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 332</td>
<td>Cross-Cultural Perspectives on Globalization (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 381</td>
<td>Medical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>ANTH 396</td>
<td>Issues in Anthropology: Social Sciences (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARAB 360</td>
<td>Topics in Arabic Cultural Production</td>
<td>3</td>
</tr>
<tr>
<td>ARAB 420</td>
<td>Survey of Arabic Literature</td>
<td>3</td>
</tr>
<tr>
<td>ARAB 440</td>
<td>Topics in Arabic Religious Thought and Texts (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 203</td>
<td>Survey of Asian Art (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 204</td>
<td>Survey of Latin American Art (Mason Core)</td>
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<tr>
<td>ARTH 206</td>
<td>Survey of African Art (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 318</td>
<td>Art and Archaeology of the Ancient Near East (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 319</td>
<td>Art and Archaeology of the Ancient Near East (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 320</td>
<td>Art of the Islamic World (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 382</td>
<td>Arts of India (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 383</td>
<td>Arts of Southeast Asia (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 384</td>
<td>Arts of China (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 385</td>
<td>Arts of Japan (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 386</td>
<td>The Silk Road (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 482</td>
<td>RS: Advanced Studies in Asian Art</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 318</td>
<td>Introduction to Classical Chinese (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 320</td>
<td>Contemporary Chinese Film</td>
<td>3</td>
</tr>
<tr>
<td>CHIN 325</td>
<td>Major Chinese Writers (Mason Core)</td>
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<tr>
<td>DANC 118</td>
<td>World Dance (Mason Core)</td>
<td>3</td>
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<tr>
<td>ECON 361</td>
<td>Economic Development of Latin America (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>ECON 362</td>
<td>African Economic Development (Mason Core)</td>
<td>3</td>
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<tr>
<td>FREN 451</td>
<td>Topics in Sub-Saharan Francophone Literature and Culture</td>
<td>3</td>
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<tr>
<td>FREN 454</td>
<td>Topics in Caribbean Francophone Literature and Culture</td>
<td>3</td>
</tr>
<tr>
<td>GGS 101</td>
<td>Major World Regions (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>GGS 316</td>
<td>Geography of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>GGS 325</td>
<td>Geography of North Africa and the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>GGS 330</td>
<td>Geography of the Soviet Succession States</td>
<td>3</td>
</tr>
<tr>
<td>GGS 399</td>
<td>Select Topics in GGS</td>
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<tr>
<td>GOVT 328</td>
<td>Global Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 332</td>
<td>Government and Politics of the Middle East and North Africa</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 333</td>
<td>Government and Politics of Asia</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 338</td>
<td>Government and Politics of Russia</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 340</td>
<td>Central Asian Politics</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 341</td>
<td>Chinese Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 345</td>
<td>Islam and Politics</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 433</td>
<td>Political Economy of East Asia</td>
<td>3</td>
</tr>
<tr>
<td>HIST 251</td>
<td>Survey of East Asian History (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 252</td>
<td>Survey of East Asian History (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 261</td>
<td>Survey of African History (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 262</td>
<td>Survey of African History (Mason Core)</td>
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</tr>
<tr>
<td>HIST 271</td>
<td>Survey of Latin American History (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 272</td>
<td>Survey of Latin American History (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 281</td>
<td>Survey of Middle Eastern Civilization (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 282</td>
<td>Survey of Middle Eastern Civilization (Mason Core)</td>
<td>3</td>
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<tr>
<td>HIST 326</td>
<td>Stalinism</td>
<td>3</td>
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<tr>
<td>HIST 327</td>
<td>The Soviet Union and Russia Since World War II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 328</td>
<td>Rise of Russia (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 329</td>
<td>Modern Russia and the Soviet Union (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 353</td>
<td>History of Traditional China</td>
<td>3</td>
</tr>
<tr>
<td>HIST 354</td>
<td>Modern China (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 356</td>
<td>Modern Japan (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 357</td>
<td>Postwar Japan (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 358</td>
<td>Post-1949 China (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 360</td>
<td>History of South Africa (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 364</td>
<td>Revolution and Radical Politics in Latin America (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 365</td>
<td>Conquest and Colonization in Latin America (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 366</td>
<td>Comparative Slavery</td>
<td>3</td>
</tr>
<tr>
<td>HIST 367</td>
<td>History, Fiction, and Film in Latin America (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 387</td>
<td>Topics in Global History (Mason Core)</td>
<td>3-6</td>
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<tr>
<td>HIST 426</td>
<td>The Russian Revolution</td>
<td>3</td>
</tr>
<tr>
<td>HIST 460</td>
<td>Modern Iran (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 461</td>
<td>Arab-Israeli Conflict</td>
<td>3</td>
</tr>
<tr>
<td>HIST 462</td>
<td>Women in Islamic Society (Mason Core)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 465</td>
<td>The Middle East in the 20th Century</td>
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<td>Religions of the West (Mason Core)</td>
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<td>Religions of Asia (Mason Core)</td>
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<td>RELI 272</td>
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<td>Chinese Philosophies and Religious Traditions</td>
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<td>Buddhism (Mason Core)</td>
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<td>Mysticism: East and West</td>
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<td>RELI 365</td>
<td>Muhammad: Life and Legacy</td>
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<td>RELI 374</td>
<td>Islamic Thought (Mason Core)</td>
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<td>RELI 375</td>
<td>Qur’an and Hadith</td>
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<td>RELI 379</td>
<td>Islamic Law, Society, and Ethics</td>
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<td>RELI 387</td>
<td>Islam, Democracy, and Human Rights</td>
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RELI 490 Comparative Study of Religions (Mason Core) 3
RUSS 353 Russian Civilization (Mason Core) 3
RUSS 354 Contemporary Post-Soviet Life (Mason Core) 3

1 Students who can document attendance at a native school in a non-western country for at least four years may request a waiver from this requirement through the CHSS Undergraduate Academic Affairs Office (http://chssundergrad.gmu.edu).

Honors

Honors in the Major
Chemistry majors who have completed prerequisites for CHEM 455 Honors Research in Chemistry and CHEM 456 Honors Research in Chemistry and have maintained an overall GPA of at least 3.00 in mathematics and science courses are eligible to enter the departmental honors program. To graduate with honors in chemistry, a student is required to maintain a minimum GPA of 3.00 in mathematics and science courses and successfully complete the two semesters of CHEM 455 Honors Research in Chemistry and CHEM 456 Honors Research in Chemistry with a minimum GPA of 3.50.

In order to apply for Chemistry Honors, please complete the application (https://cos.gmu.edu/chemistry/wp-content/uploads/sites/7/2015/08/form-honors-program-application-2016.pdf) and submit it to the undergraduate coordinator.

Accelerated Option Requirements
Students complete the following courses in their senior year:

<table>
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<tr>
<th>Senior</th>
<th>Fall Semester</th>
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<th>Spring Semester</th>
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<td>EDRD 619</td>
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</table>

Total Credits 12

While undergraduate students, accelerated master’s students are able to apply two of the courses listed above to both the bachelor's and master's degrees. These courses are considered advanced standing for the MEd. A minimum grade of B must be earned to be eligible to count as advanced standing. The other two courses are taken as reserve graduate credit and do not apply to the undergraduate degree. Early in their final undergraduate semester, students must submit the Bachelor's/Accelerated Master’s Transition Form to the CEHD Admissions Office and specify which of the four courses are to be designated as advanced standing and reserve graduate credit.

Accelerated Master's

Chemistry, BA or BS/Curriculum and Instruction, Accelerated MEd (Secondary Education Chemistry concentration)

Overview
Highly-qualified undergraduates may be admitted to the bachelor’s/accelerated master’s option and obtain a BA or BS in Chemistry (degree without concentration) and an MEd in Curriculum and Instruction (concentration in secondary education chemistry) in an accelerated time frame after completion of 149 credits. See AP.6.7 Bachelor’s/Accelerated Master’s Degree for policies related to this program.

This accelerated option is offered jointly by the Department of Chemistry and Biochemistry and the Graduate School of Education.

Students in an accelerated degree program must fulfill all university requirements for the master’s degree. For policies governing all graduate degrees, see AP6 Graduate Policies.

Application Requirements
Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in Graduate Admissions Policies. For information specific to this accelerated master’s program, see Application Requirements and Deadlines (https://cehd.gmu.edu/bachelors-accelerated-masters-program).