

# Chemistry (MS)

As the first predominantly Black university to offer the Ph.D. degree in chemistry, Howard has produced more African American chemists than any other chemistry department in the world and has one of the largest chemistry departments in the District of Columbia.

The Chemistry Department was preeminent in stimulating the transition of Howard from a small private undergraduate college to a large private university. Chemistry first offered the M.S. degree in chemistry in 1923, before there was a Graduate School at the University. Chemistry became the first department to award the Ph.D. degree at the University, in 1958.

**Program:** Chemistry

**Type:** MS

Item #	Title	Credits
CHEM-201	Inorganic Chemistry	3
CHEM-231	Advanced Analytical Chemistry	3
CHEM-243	Advanced Organic Chemistry	3
CHEM-278	Advanced Physical Chemistry I	3
CHEM-279	Advanced Physical Chemistry II	3
<b>Sub-Total Credits</b>		<b>15</b>

## Elective Courses

\*Elective Courses

Elective Options: All students must take a graduate-level Professional Development Course and (at least) two graduate courses outside of their chemistry division. These courses may be from Chemistry (subject code CHEM) or other departments such as Pharmacy (subject code PHSC), Physics (subject code PHYS), Engineering (subject codes CHEG, EECE, or CIEG), Biology (subject code BIOG), or related disciplines. **These courses must be chosen in discussion with a student's graduate advisor.**

<b>Sub-Total Credits</b>	<b>15</b>
<b>Total credits:</b>	<b>30</b>