

Year 2 Curriculum

Summer semester

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| BIOL 702 Laboratory Practice: Radiation Safety Procedures (0.75 credit hours, 1 week) |
| Structure of the atom, isotopes, and radioactivity with emphasis on radiation protection and safe handling of isotopes |
| BIOL 703 Radioisotopes and Radiation Safety in Research (1.25 credit hours, 1 week) |
| Structure of the atom, isotopes, and radioactivity with emphasis on radiation protection and safe handling of isotopes |
| CLS 750 Practicum I (4 credit hours, 6 weeks) |
| Molecular diagnostics practicum performed in collaboration with laboratories in the Kansas City area |

Fall semester

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| CLS 751 Practicum II (5 credit hours, 15 weeks) |
| Research performed in collaboration with laboratories at KUMC and other institutions in the Kansas City area |
| CLS 740 Journal Club (1 credit hour, 15 weeks) |
| Analysis and presentation of articles from the literature |

Spring semester

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| CLS 752 Practicum III (5 credit hours, 15 weeks) |
| Research performed in collaboration with molecular biotechnology-oriented industries in the Kansas City area |
| CLS 742 Scientific Writing (1 credit hour, 15 weeks) |
| Development of scientific writing skills. This course will also serve to guide students and monitor progress in completing the written component of the final general examination required of all students. |