

Department of Chemistry

Chemistry Major *Forensic Chemistry Concentration* *(118-121)*

All students completing this degree program will earn a Bachelor of Science (BS) degree in Chemistry. This degree will prepare students for professional work in forensic science or graduate work in chemistry or forensic science. Students pursuing this degree are required to maintain a C average in their major coursework. Chemistry majors must complete the chemistry core courses and the forensic chemistry concentration :

Chemistry Core Courses (57):

CH 221 General Chemistry Credits: 5
CH 222 General Chemistry Credits: 5
CH 223 General Chemistry Credits: 5
CH 312 Quantitative Analysis Credits: 4
CH 313 Instrumental Analysis Credits: 4
CH 334 Organic Chemistry Credits: 3
CH 335 Organic Chemistry Credits: 3
CH 336 Organic Chemistry Credits: 3
CH 337 Organic Chemistry Lab I Credits: 1

CH 338 Organic Chemistry Lab II Credits: 2
CH 350 Chemical Literature Credits: 1
CH 365 Materials Chemistry: 3
CH 407 Seminar Credits: 1
CH 450 Biochemistry Credits: 3
CH 461 Experimental Chemistry Credits: 3
CH 462 Experimental Chemistry Credits: 3
MTH 251 Calculus I Credits: 4
MTH 252 Calculus II Credits: 4



Western Oregon
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TOGETHER WE
SUCCEED

Forensic Chemistry Concentration (61 - 64)

BI 211 Principles of Biology Credits: 4
BI 314 Introduction to Genetics Credits: 4
CH 161 Beginning Crime Scene Photography: 4
CH 320 Intro to Forensic Science Credits: 3
CH 320 L Intro to Forensic Science Lab Credits: 1
CH 340 Elementary Physical Chemistry Credits: 4
CH 409 Practicum Credits: 1
CH 420 Forensic Documentation and Laboratory Techniques Credits: 4
CH 430 Applications of Forensic Science Credits: 3
CJ 321 Principles of Forensic Investigation Credits: 4
COM 327 Communication in the Legal Field Credits: 4
MTH 243 Introduction to Probability and Statistics Credits: 4

Choose 1 Series Credits: 12

PH 201 General Physics Credits: 4
and PH 202 General Physics Credits: 4
and PH 203 General Physics Credits: 4

Or

PH 211 General Physics with Calculus Credits: 4
and PH 212 General Physics with Calculus Credits: 4
and PH 213 General Physics with Calculus Credits: 4

Choose 1 (Credits: 3-4)

CJ 219 Ethics and Leadership in Criminal Justice Credits: 4
PHL 251 Ethics Credits: 3
PHL 252 Medical Ethics Credits: 3
PHL 255 Environmental Ethics Credits: 3
HE 485/585 Bioethics and Public Health Credits: 4

Electives Credits: 5-8

BI 315 Cell Biology Credits: 4
BI 331 General Microbiology Credits: 4
BI 426 Developmental/Molecular Biology Credits: 4
CH 322 Medicinal Chemistry and Pharmacology Credits: 4
CH 345 Introduction to Toxicology Credits: 3
CH 370 Selected Topics in Chemistry Credits: 1-3
CH 401 Research Credits: 1-3
CJ 213 Introduction to Criminal Justice Credits: 4
CJ/ANTH 322 Forensic Anthropology Credits: 4
CJ 328 Forensic Osteology Credits: 4
CJ 333 Forensic DNA Analysis Credits: 4
CJ 341 Introduction to GIS Credits: 4
CJ 342 Strategic Crime Analysis with GIS Credits: 4
ES 341 Introduction to GIS Credits: 4

CONTACTS:

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