

AS_CHEM_BS

B.S. (120 credits)

CHEMISTRY<https://www.chm.uri.edu/>

Requirement for transfer from University College for Academic Success to the College of Arts & Sciences:

CHM 191 192; minimum of 24 earned credits cumulative average of 2.0 or better.

Freshman Year

<i>Fall</i>	CHM 191* (General Chemistry I) ¹ MTH 141 (Calculus I)	<i>Spring</i>	CHM 192** (General Chemistry II) ² MTH 142 (Calculus II)
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Sophomore Year

<i>Fall</i>	CHM 212 (Quantitative Analysis) ¹ CHM 291 [†] (Organic Chemistry Lecture I) ¹ PHY 203 273 (Elementary Physics I) MTH 243 (Multivariate Calculus)	<i>Spring</i>	CHM 292 ^{††} (Organic Chemistry II and Laboratory) ² PHY 204 274 (Elementary Physics II) MTH 244 (Differential Equations)
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Junior Year

<i>Fall</i>	CHM 335 (Physical Chemistry Lab) ¹ CHM 431 (Physical Chemistry I) ¹ PHY 205 275 (Elementary Physics III)	<i>Spring</i>	CHM 432 (Physical Chemistry II) ² CHM 412 (Instrumental Methods of Analysis) ² CHM 414 (Instrumental Methods of Analysis Lab) ²
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Senior Year

<i>Fall</i>	CHM 353 (Undergraduate Research) CHM 401 (Intermediate Inorganic Chemistry) ¹ CHM 425 (Advanced Organic Laboratory) ¹ CHM 427 (Intermediate Organic Chemistry) ¹	<i>Spring</i>	CHM 353 (Undergraduate Research) CHM 402 (Physical Inorganic Laboratory) ² CHM 441 (Chemistry of Biological Systems) ² CHM 492 (Seminar in Chemistry) ²
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* CHM 101 102 may be used to substitute

[†] CHM 227 may be used to substitute¹ Only offered Fall semesters

** CHM 112 114 may be used to substitute

^{††} CHM 226 + CHM 228 may be used to substitute² Only offered Spring semesters**General Education Requirements [a total of 40 credits is required with at least 3 credits in every outcome satisfied no more than 12 credits from a single discipline and 1 Grand Challenge Course (G)]** (updated 9/1/2020)

A1 STEM: AFS 105G 190 APG 201 282G AST 108 118 AVS 101 101H 102 103 104 105 181G 256G 282G BPS 201 203 204G 205G CHE 204G CHM 101 103 CMB 190 260G 265G COM 369G CUE 323G 323GH 325G EEC 234G EGR 133 213G ELE 108G 369G GEO 100 100G 102 102H 103 110 113 120 204 234G GWS 220 HPR 131G 135 230G 233 ISE 261G 461G KIN 375G 464G MAF 213G MTH 103 105 106 107 108 108H 111 131 141 142 180 208 243 MUS 369G NFS 207 210 NRS 100 190 234G 330G OCG 103G 106G 110 111 120G 123 123G 131G 200G PHL 215 452G PHY 109 110 111 112 185 186 203 203H 204 204H 205 205H 273 273H 274 274H 275 275H PLS 150 190 PSY 205G SUS 261G 461G TMD 113 113H

A2 Social & Behavioral Sciences: AAF 239 AFS 132G 132GH APG 202 203 AVS 132G 132GH BUS 104GH 140G CCJ 230 COM 243G 243GH 321G CPL 202 CSC 120G ECN 201 201H 202 399G EDC 304 306 312 EEC 105 350G 352G GEG 202 GWS 150 150H 210G 325G HDF 150 150H 205G 208 225 318G 440 HIS 112 305 305H 308G HLT 100G 200 HPR 124 224G 226G 375 392 HSS 130G KIN 123 123H LAN 220 MAF 100 220 MTH 109 NFS 212G 276G NRS 300 NUR 150 150H 260 260H 270 270H NVP 399G PHL 421G PHP 203G 207G PLS 132G 132GH PSC 113 116 116G 306 421G PSY 103 113 113H 130G 232 SOC 100 212 230 242 475G THN 260 260H 270 270H

A3 Humanities: AAF 150 150H 201 247 248 355 ARB 111 112 120 211 251G ART 251 252 252H CHN 101 101H 102 103 111 111H 112 112H 113 113H 114 114H 205 205H 206 215 215H 216 216H CLA 110 391 395 396 397 CLS 160 EGR 316G 316GH ENG 105 110 121 122 160 211 242 243 243H 245 247 248 252 260 263 263H 264 265 265H 280 302 303 304 333 357G 368 381 385 387 FRN 101 102 103 104 120G 151 204 207 307 309 320 GER 101 102 103 104 111 112 113 114 205 206 215 GRK 101 102 301 302 497 GWS 385 HBW 101 102 HIS 110 114 115G 117 119G 119GH 141 142 150 150H 164 176 178 318 341 349 352 355 358 374 375 378 379 393 HPR 147 216G 316 ITL 100 101 102 103 104 205 206 315 320 390 JOR 110 110H JPN 101 102 103 104 KIN 475 478 LAN 191 192 LAT 101 102 301 302 497 MAF 300 MUS 322 PHL 101 103 103H 110G 110GH 114 204 212 212H 217 235 235H 316G 316GH 366 POR 101 102 103 104 PSC 221 RLS 111 125 131 221 226 RUS 101 102 SPA 100 101 102 103 104 110 111 205 206 207 210 THE 381 383 TMD 326G

A4 Arts & Design: AAF 208 ART 101 103 105 120 207 CLS 451 EGR 105 106 ENG 120 451 FLM 100 101 101H 203 204 205 206 451 HPR 344 LAR 201 202 MUS 101 105 106 111 208 218 227 292 293 301 THE 100 351 352 TMD 126 240

B1 Write Effectively: AAF 366 AME 204 BIS 399 CCJ 476 CLA 110 ENG 105 110 243 243H 260 263 263H 264 265 265H 280 357G 492 FLM 203 GEO 204 GWS 492 HIS 110 114 171 172 305 305H 308G 310 311 327 333 342 346 353G 357 358 366 374 375 393 HPR 142 147 344 MUS 101 PHL 103 103H 114 204 215 PSC 476 PSY 103 SOC 476 SPC 319G THE 381 383 TMD 240 WRT 104 104H 106 106H 201 227 321G 332 334 492

B2 Communicate Effectively: ASL 101 102 BIO 425G COM 100 100H 250 385 CSC 399 EDC 304 429 ELE 403G ENG 120 333 FRN 350 HIS 350 350H HPR 131G 346G LAR 350 LIB 150 NFS 458 NUR 270 270H OCE 496 SPA 321 THE 100 THN 270 270H TMD 126 WRT 332 334

B3 Mathematical Statistical and Computational: BUS 111 COM 385 CSC 101 104 106 106H 201 CSF 102G DSP 393G EEC 355 GEO 200 HDF 405 405H MTH 103 104 105 106 107 108 108H 109 111 131 141 142 142H 180 208 243 MUS 218 NFS 207 210 OCG 111 250 350 351 PHL 101 PHY 111 112 185 186 205 205H 275 275H PSC 405 405H STA 220

B4 Information Literacy: AVS 404 BIO 396 BPS 203 204G 205G CHE 204G CHN 306 CLA 497 CMB 260G 265G COM 108G 460 CSC 101 EDC 102 102H 103G 312 EEC 355 432 ENG 245 302 303 304 368 385 410 FRN 304 GEO 102 102H 103 110 120 200 GWS 220 385 HDF 205G 225 318G HIS 117 145 146 304 310 311 327 333 339 349 354 362 364 365 495 HLT 200 HPR 142 183G 233 ISE 261G KIN 123 123H 375G 464G LIB 150 250 250H 350 350G NFS 404 NUR 160 OCG 106G 110 120G 131G 250 PHP 305 308 405 PLS 324 PSY 205G 301 RLS 226 SAF 404 SCM 101 SUS 108G 261G 460 THE 351 352 WRT 104 104H 106 106H 201

C1 Civic Knowledge & Responsibilities: AAF 208 ART 387G BIO 230G BUS 104GH 304G COM 100 100H 108G 250 315 460 CPL 202 CUE 323G 323GH ECN 202 EDC 306 EGR 120G 316G 316GH ENG 121 FRN 309 GCH 101G GEG 202 GWS 320 HDF 381 414 440 481 HIS 119G 119GH 141 145 146 339 350 350H 353G 354 362 364 365 HLT 100G HPR 124 224G 392 HSS 130G ITL 390 JOR 110 110H LAR 350 387G LIB 350 350G MAF 100 220 MUS 208 301 NUR 444 PHL 316G 316GH PHP 336 PSC 113 306 PSY 130G SUS 108G 315 460 THE 338G WRT 321G

C2 Global Responsibilities: APG 202 282G ARB 111 112 120 211 251G BIO 256G 282G CHE 452 CHN 101 101H 102 103 111 111H 112 112H 113 113H 114 114H 205 205H 206 215 215H 216 216H 306 CLA 391 395 396 397 497 CLS 160 451 CSF 102G 325G CUE 325G EGR 213G ENG 160 252 451 FLM 100 101 101H 204 205 206 451 FRN 101 102 103 104 151 152 204 207 302 320 GEO 100 100G GER 101 102 103 104 111 112 113 114 205 206 215 GRK 101 102 301 302 497 GWS 325G HBW 101 102 HIS 112 164 171 172 176 178 318 378 379 HPR 135 375 ISE 461G ITL 100 101 102 103 104 205 206 315 320 JPN 101 102 103 104 LAN 191 192 LAT 101 102 301 302 497 LAX 200G MAF 213G 312 412G MUS 220 NRS 300 330G OCG 103G 123 123G 200G PHL 217 235 235H 366 452G POR 101 102 103 104 PSC 116 116G 221 416 417 431 434 RLS 111 221 RUS 101 102 SCM 101 SOC 475G SPA 101 102 103 104 110 111 205 206 207 SUS 461G TMD 103G 326G

C3 Diversity: AAF 150 150H 201 247 248 355 366 AME 204 APG 201 ASL 101 102 CMD 493G CSC 120G EDC 102 102H 103G ENG 122 210 211 242 247 248 381 387 450G FRN 120G 304 GCH 102G GWS 150 150H 210G 373 441 HDF 150 150H 352G 412 HIS 115G 142 150 150H 341 342 346 352 355 357 366 373 HPR 183G 216G 226G 316 KIN 475 478 LAN 220 MAF 300 373 MUS 105 106 322 NFS 212G NUR 150 150H 260 260H 280G PHL 110G 110GH 212 212H 421G PSC 421G 441 SOC 242 SPA 210 THN 260 260H

D1 Integrate & Apply: AFS 300 440 APG 427 ART 387G AVS 404 443 472 BIO 396 425G 482G BIS 399 BME 484 485 BUS 445 445H CCJ 476 CHE 452 CHM 353 354 CM 211 280G 465 483 COM 315 CSC 305 399 CUE 498 DSP 393G EEC 432 ELE 403G 480 ENG 410 450G 492 FRN 350 GEO 305G 320 GWS 320 441 492 HDF 381 405 405H 412 414 481 HIS 304 495 HPR 346G 401 ISE 402 JOR 420 KIN 420 LAR 387G 445 MAF 312 412G MCE 402 402H MLS 483 MUS 367 NFS 404 458 NRS 309 450G 452G NUR 382G 444 OCE 496 OCG 108G 350 351 PHP 336 405 595 PLS 324 PSC 402 405 405H 416 417 419 431 434 441 461 465 472 476 PSY 310 SAF 400G 404 SOC 476 495 SPA 321 SPC 491 499 SUS 315 THE 338G TMD 433 WRT 492

Grand Challenge Courses: AFS 105G 132G 132GH APG 282G ARB 251G AVS 132G 132GH BIO 181G 230G 256G 282G 425G 482G BPS 204G 205G BUS 104GH 140G 304G CHE 204G CMB 260G 265G CMD 280G 493G COM 108G 243G 243GH 321G 369G CSC 120G CSF 102G CUE 323G 323GH 325G DSP 393G ECN 399G EDC 103G EEC 234G 350G 352G EGR 120G 213G 316G 316GH ELE 108G 369G 403G ENG 357G 450G FRN 120G GCH 101G 102G GEO 100G 234G 305G GWS 210G 325G HDF 205G 318G 352G HIS 115G 119G 119GH 308G 353G HLT 100G HPR 131G 183G 216G 224G 230G 346G HSS 130G ISE 261G 461G KIN 375G 464G MAF 213G 412G MUS 369G NFS 212G 276G NRS 234G 330G 450G 452G NUR 280G 382G NVP 399G OCG 103G 106G 108G 120G 123G 131G 200G PHL 110G 110GH 316G 316GH 421G 452G PHP 203G 207G PLS 132G 132GH PSC 116G 421G PSY 130G 205G SAF 400G SOC 475G SPC 319G SUS 108G 261G THE 338G TMD 103G 326G WRT 321G