

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.

**A minimum of 42 credits of courses at the 300-level or higher are required for the BA degree.**

**Freshman Year**

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

<i>Fall</i>	CHM 212 (Quantitative Analysis) <sup>1</sup> CHM 291 <sup>†</sup> (Organic Chemistry Lecture I) <sup>1</sup> PHY 203, 273 (Elementary Physics I)	<i>Spring</i>	CHM 292 <sup>††</sup> (Organic Chemistry II and Laboratory) <sup>2</sup> PHY 204, 274 (Elementary Physics II)
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**Junior Year**

<i>Fall</i>	CHM 335 (Physical Chemistry Lab) <sup>1</sup> CHM 431 (Physical Chemistry I) <sup>1</sup>	<i>Spring</i>	CHM 432 (Physical Chemistry II) <sup>2</sup>
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**Senior Year**

One course selected from

CHM 401 (Intermediate Inorganic Chemistry) <sup>1</sup>	CHM 412 (Instrumental Methods of Analysis) <sup>2</sup>
CHM 427 (Intermediate Organic Chemistry) <sup>1</sup>	CHM 441 (Chemistry of Biological Systems) <sup>2</sup>

\* CHM 101, 102 may be used to substitute

\*\* CHM 112, 114 may be used to substitute

<sup>†</sup> CHM 227 may be used to substitute

<sup>††</sup> CHM 226 + CHM 228 may be used to substitute

<sup>1</sup> Only offered Fall semesters

<sup>2</sup> 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 10/14/2022)

**A1 STEM:** AFS 105G 190 APG 201 282G AST 108 118 AVS 101 BIO 101 101H 102 103 104 105 110 181G 256G 282G BPS 136 201 203 204G 205G 208G CHE 204G CHM 101 103 CMB 190 260G 265G COM 369G CVE 323G 323GH 325G EEC 234G EGR 133 213G ELE 108G 369G GEO 100 100G 102 102H 103 110 113 120 204 234G 405G GWS 220 HPR 131G 135 230G 233 ISE 261G 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 405G 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 TMD 113 113H

**A2 Social & Behavioral Sciences:** AAF 239 240 AFS 132G 132GH APG 200 202 203 412 AVS 132G 132GH BUS 104GH 140G CCI 230 COM 243G 243GH 321G CPL 202 CSC 120G ECN 201 201H 202 399G EDC 304 306 312 EEC 105 350G 352 352G GEG 202 GWS 150 150H 210G 325G 383 HDF 150 150H 200 205G COM 225 318G 352G 440 HIS 112 305 305H 308G 383 HLT 100G 200 HPR 124 224G 226G 375 392 HSS 130G INE 140G KIN 123 123H LAN 220 LAX 383 LIN 200 MAF 100 220 MGT 104GH MTH 109 NFS 212G 276G NRS 300 NUR 150 150H 260 260H 270 270H 327 NVP 399G PHL 421G PHP 203G 207G PLS 132G 132GH PSC 113 116 116G 306 421G PSY 103 113 130G 232 276G SAF 383 SOC 100 212 224 230 240 242 475G THN 260 260H 270 270H

**A3 Humanities:** AAF 150 150H 201 247 248 355 352 ARB 111 112 120 211 251G ART 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 280 302 303 304 333 352 357G 368 381 385 387 FRN 101 102 103 104 120G 151 204 207 307 309 320 GER 101 102 103 104 111 112 113 114 204 205 206 214 331 GRK 101 102 301 302 497 GWS 385 HBW 101 102 HIS 110 114 115G 117 119G 119GH 141 142 150 150H 164 176 178 180 318 341 349 352 355 358 374 375 378 379 393 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 220 322 423 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 101 103 105 120 207 404 CLS 451 DSP 404 EGR 105 106 ENG 120 451 FLM 100 101 101H 203 204 205 206 451 GER 171G HPR 344 LAR 201 202 MUS 101 105 106 111 208 218 292 293 301 THE 100 351 352 TMD 126 240

**B1 Write Effectively:** AAF 366 AME 204 BIS 399 CCI 403 410 476 CLA 110 ENG 105 110 243 243H 260 263 263H 264 265 265H 280 357G 492 FLM 203 GEO 204 GER 172 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 371G 492

**B2 Communicate Effectively:** ASL 101 102 BIO 425G BPS 136 COM 100 100H 250 385 CSC 399 EDC 304 429 ELE 403G ENG 120 333 FRN 350 GEO 210 GER 302 HIS 350 350H HPR 131G 346G 361 391 LAR 350 LIB 150 NFS 458 NUR 270 270H OCE 496 SPA 321 THE 100 THN 270 270H TMD 126 WRT 227 332 334

**B3 Mathematical Statistical and Computational:** BAI 111 BUS 111 COM 385 CSC 101 104 106 106H 201 CSF 102G DSP 110 393G EEC 355 GEO 200 HDF 405 405H LTI 110 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 484 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 GER 331 GWS 220 385 HDF 205G 225 318G HIS 117 145 146 304 310 311 327 333 339 349 354 362 364 365 495 HLT 200 313 HPR 142 183G 233 361 ISE 261G KIN 123 123H 375G 464G LAN 420 LIB 150 250 250H 350 350G LTI 350G NFS 404 NUR 160 OCG 106G 110 120G 131G 250 PHP 305 308 405 PLS 324 PSY 205G 276G 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 304G COM 100 100H 108G 250 315 460 CPL 202 CVE 323G 323GH ECN 202 EDC 306 EGR 120G 316G 316GH ENG 121 FRN 309 GCH 101G GEG 202 GER 204 214 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 391 392 HSS 130G ITL 390 JOR 110 110H LAR 350 387G LIB 350 350G MAF 100 220 MGT 104GH 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 CVE 325G EGR 213G ENG 160 252 451 FLM 100 101 101H 204 205 206 451 FRN 101 102 103 104 151 152 204 207 307 320 GEO 100 100G GER 101 102 103 111 112 113 205 206 302 GRK 101 102 301 302 497 GWS 325G 383 HBW 101 102 HIS 112 164 171 172 176 178 180 318 378 379 383 HPR 135 375 INE 318 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 383 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 221 416 417 422 431 434 RLS 111 221 RUS 101 102 SCM 101 SOC 475G SPA 100 101 102 103 104 110 111 205 206 207 TMD 103G 326G

**C3 Diversity:** AAF 150 150H 201 240 247 248 352 355 366 AME 204 APG 200 201 ASL 101 102 CMD 493G CSC 120G EDC 102 102H 103G ENG 122 210 211 242 247 248 352 381 387 450G FRN 120G 304 GCH 102G GER 171G GWS 150 150H 210G 373 441 HDF 130G 150 150H 200 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 LIN 200 MAF 300 373 MGT 201 MUS 105 106 322 423 NFS 212G NUR 150 150H 260 260H 280G 383 PHL 110G 110GH 212 212H 421G PSC 421G 441 SAF 383 SOC 224 240 242 250 SPA 210 SPC 319G THN 260 260H WRT 371G

**D1 Integrate & Apply:** AFS 300 440 APG 427 ART 387G 404 AVS 404 443 472 BIO 396 425G 482G BIS 399 BME 484 485 CCI 403 410 476 CHE 452 CHM 353 354 CMB 211 483 CMD 280G 465 COM 315 CSC 305 399 CVE 498 DSP 393G 404 ECN 445 EDC 485 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 LAN 420 LAR 387G 445 LTI 350G MAF 312 412G MCE 402 402H MGT 445 445H MLS 483 MUS 367 NFS 404 458 NRS 309 450G 452G NUR 382G 444 OCE 496 OCG 108G 350 351 PHP 336 405 595 PHY 484 PLS 324 PSC 402 405 405H 416 417 419 422 431 434 441 461 465 472 476 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 ART 387G AVS 132G 132GH BIO 181G 230G 256G 282G 425G 482G BPS 204G 205G 208G BUS 304G CHE 204G CMB 260G 265G CMD 280G 493G COM 108G 243G 243GH 321G 369G CSC 120G CSF 102G CVE 323G 323GH 325G DSP 393G ECN 399G EDC 103G EEC 234G 350G 352G EGR 120G 213G 316G 316GH ELE 108G 369G ENG 357G 450G FRN 120G GCH 101G 102G GEO 100G 234G 305G 405G GER 171G GWS 210G 325G HDF 130G 205G 318G 352G HIS 115G 119G 119GH 308G 353G HLT 100G HPR 131G 183G 216G 224G 226G 230G 346G HSS 130G INE 140G ISE 261G KIN 375G 464G LAR 387G LAX 200G LIB 350G LTI 350G MAF 213G 412G MGT 104GH MUS 369G NFS 212G 276G NRS 234G 330G 405G 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 276G SAF 400G SOC 475G SPC 319G SUS 108G 261G THE 338G TMD 103G 326G WRT 321G 371G