Curriculum - Data Science, BS

Catalog Year: 2026 - 2027 **General Studies Gold**

Degree: Bachelor of Science, BS

College/School: The College of Liberal Arts and Sciences

Plan Code: LADATSCIBS

Minimum credit hours: 120

Upper division minimum credit hours: 45

Requirement	Minimum grade	Credit hours
Major Requirements		
A minimum of 12 upper-division credit hours used toward the major requirements must be taken from The College of Liberal Arts and Sciences. When selecting courses, the college offering the course can be identified by viewing the course details in Class Search.		
Data Science Core Courses		
MAT 270 Calculus with Analytic Geometry I (MATH) **OR** **MAT 265 Calculus for Engineers I (MATH)**	C	3 - 4
MAT 271 Calculus with Analytic Geometry II (MATH) **OR** **MAT 266 Calculus for Engineers II (MATH)**	C	3 - 4
MAT 343 Applied Linear Algebra	C	3
CSE 110 Principles of Programming	C	3
CSE 205 Object-Oriented Programming and Data Structures	C	3
DAT 250 Data Science and Society Data Sciences students take DAT 250 as a part of the major. DAT 250 satisfies a Science and Society requirement.	C	3

Requirement	Minimum grade	Credit hours
DAT 300 Mathematical Tools for Data Science	C	3
DAT 301 Exploring Data in R and Python	C	4
DAT 401 Statistical Modeling and Inference for Data Science	C	3
DAT 402 Machine Learning for Data Science OR CSE 475 Foundations of Machine Learning	C	3
DAT 490 Data Science Capstone OR Upper Division Disciplinary Capstone from Selected Track	C	3

Data Science Track Courses

Select one of the tracks below and complete all requirements outlined for that track. Track options are Behavioral Sciences, Biosciences, Business Analytics, Chemistry and Biochemistry, Computer Science, Mathematics, Social Sciences and Spatial Sciences.

Upper Division Behavioral Sciences Track	C	12 - 13

Behavioral Sciences Track: complete six total courses as outlined below. Students must also complete three credit hours in DAT 490 or a 400-level disciplinary capstone course drawn from the CDE, FAS, or PSY subject areas.

In cooperation with an assigned academic advisor, select four courses from following options:

SOC 390 Social Statistics I (QTRS)

FAS 498 Topic: Advanced Statistics for Social Sciences **or** SOC 469 Multivariate Statistics for Social Sciences **or** PSY 330 Statistical Methods (QTRS)

In cooperation with an assigned academic advisor, choose two elective courses from the list below:

CDE 312 Adolescence (SOBE)

CDE 337 Early Childhood Intervention

Requirement	Minimum grade	Credit hours
CDE 418 Aging and the Life Course (SOBE)		
CDE 430 Infant and Toddler Development in the Family (SOBE)		
CDE 450 Childhood Disorders and Family Functioning		
FAS 301 Introduction to Parenting		
FAS 331 Modern Family Relationships (SOBE)		
FAS 332 Human Sexuality (SOBE)		
FAS 440 Fundamentals of Marriage and Family Therapy		
LSC 325 / **PSY 325** / **PTX 325 Physiological Psychology**		
PSY 315 Personality Theory and Research (SOBE)		
PSY 320 Learning and Motivation		
PSY 324 Memory and Cognition		
PSY 341 Developmental Psychology (SOBE)		
PSY 350 Social Psychology (SOBE)		
OR **Upper Division Biosciences Track**		
Biological Sciences Track: complete BIO 415 and BIO 439, a Bioethics related course, three track electives (minimum of nine credit hours) and three credit hours of DAT 490 Data Science Capstone.		
BIO 415 Statistical Models for Biology (QTRS)		
BIO 439 Computing for Research		
Choose once course from the list below:		
BIO 312 / **PHI 320 Bioethics (HUAD)**		
BIO 316 / **HPS 330 History of Biology: Conflicts and Controversies (HUAD)**		

Requirement	Minimum grade	Credit hours
BIO 317 / **HPS 323 History of Science II (HUAD)**		
BIO 318 / **HPS 331 History of Medicine (HUAD)**		
BIO 416 / **HPS 410 Biomedical Research Ethics (CIVI)**		
Choose three elective courses from list below:		
BIO 355 Introduction to Computational Molecular Biology		
BIO 411 Quantitative Methods in Conservation and Ecology		
BIO 440 / **MBB 440 Functional Genomics**		
BIO 494 Topic: Data Analysis in Neuroscience		
BIO 494 Topic: Microbiome Data Science		
BIO 498 Topic: Genomics Research Experience		
BIO 498 Topic: Programming for biologists		
OR **Upper Division Business Analytics Track**		
Business Analytics Track: complete all six courses listed below. Students also complete three credit hours of DAT 490 Data Science Capstone.		
CIS 407 Business Database Systems Development		
CIS 409 Business Data Warehouses and Dimensional Modeling		
CIS 412 Business Machine Learning		
CIS 415 Big Data and AI in Business		
WPC 300 Problem Solving and Actionable Analytics (QTRS)		
OR **Upper Division Chemistry and Biochemistry Track**		
Chemistry and Biochemistry Track: complete 21 total credits as outlined below. In addition, students need to complete three credit hours in DAT 490 Data Science Capstone.		

Requirement	Minimum grade	Credit hours
CHM 325 Analytical Chemistry		
BCH 361 Principles of Biochemistry or CHM 341 Elementary Physical Chemistry		
BCH 392 / CHM 392 Introduction to Research Techniques or DAT 490 Data Science Capstone		
BCH 494 Topic: Modern Approaches to Biochemical Data Analysis or CHM 494 Topic: Data Modeling for the Natural Sciences		
Select three credits from the list below:		
BCH 341 Physical Chemistry with a Biological Focus		
BCH 361 Principles of Biochemistry		
BCH 367 Elementary Biochemistry Laboratory		
BCH 461 General Biochemistry I		
BCH 462 General Biochemistry II		
BCH 463 Biophysical Chemistry		
BCH 467 Analytical Biochemistry Laboratory		
BCH 484 Internship		
BCH 494 Special Topics		
CHM 302 Environmental Chemistry		
CHM 303 Environmental Chemistry Laboratory		
CHM 326 Advanced Analytical Chemistry Laboratory		
CHM 327 Instrumental Analysis		
CHM 328 Instrumental Analysis Laboratory		
CHM 341 Elementary Physical Chemistry		

Requirement	Minimum grade	Credit hours
CHM 343 Elementary Physical Chemistry Laboratory		
CHM 345 Physical Chemistry I		
CHM 346 Physical Chemistry II		
CHM 348 Physical Chemistry Laboratory I		
CHM 349 Physical Chemistry Laboratory II		
CHM 385 Oceanography		
CHM 433 Bioorganic Chemistry		
CHM 435 Medicinal Chemistry		
CHM 452 Inorganic Chemistry Laboratory		
CHM 453 Inorganic Chemistry		
CHM 460 Biological Chemistry		
CHM 471 Solid-State Chemistry		
CHM 481 Geochemistry		
CHM 484 Internship		
CHM 489 Field Geochemistry		
CHM 494 Special Topics		
OR		
Upper Division Computer Science Track		
Computer Science Track: complete six total courses as outlined below. In addition, students must complete three credit hours of DAT 490 Data Science Capstone.		
CSE 310 Data Structures and Algorithms		
CSE 365 Information Assurance		
In consultation with an advisor, choose two elective courses from following five options:		

Requirement	Minimum grade	Credit hours
CSE 450 Design and Analysis of Algorithms		
CSE 467 Data and Information Security		
CSE 471 Introduction to Artificial Intelligence		
CSE 475 Foundations of Machine Learning		
CSE 476 Introduction to Natural Language Processing		

OR **Upper Division Mathematics Track**

Mathematics Track: complete six total courses as outlined below. In addition, students need to complete three credit hours in DAT 490 Data Science Capstone.		
In cooperation with an academic advisor, choose four elective courses from the list below:		
ACT 301 Risk Management and Insurance (SOBE)		
ACT 302 Fundamentals of Enterprise Risk Management		
ACT 435 Statistics for Risk Modeling		
DAT 431 Industry Tools for Data Science		
DAT 435 Exploration and Analysis of Environmental Data		
DAT 484 Internship		
DAT 494 Topic: Bayesian Statistics		
MAT 300 Mathematical Structures		
MAT 353 Mathematics and Cancer		
MAT 419 Introduction to Linear Optimization		
MAT 420 Scientific Computing		
MAT 421 Applied Computational Methods (MATH)		
MAT 423 Numerical Analysis I (MATH)		

Requirement	Minimum grade	Credit hours
MAT 425 Numerical Analysis II		
MAT 429 Optimization		
MAT 451 Mathematical Modeling		
MAT 452 Introduction to Chaos and Nonlinear Dynamics		
STP 310 Design and Analysis of Experiments		
STP 311 Regression and Time Series Analyses		
STP 420 Introductory Applied Statistics (QTRS) **or** STP 427 Mathematical Statistics		
STP 421 Probability		
STP 429 Applied Regression (QTRS)		
OR Upper Division Social Sciences Track		
Social Sciences Track: complete six courses for a minimum of 18 credit hours as outlined below, at least 12 credit hours of which must be upper division. In addition, students must complete three credit hours in DAT 490 Data Science Capstone or a disciplinary-specific capstone course.		
Select one course from the following options:		
ECN 425 Introduction to Econometrics		
POS 401 / SGS 401 Political Statistics (QTRS)		
Choose five elective courses from the list below:		
AML 441 Mathematical Concepts and Tools in Sustainability		
ASB 363 / BIO 363 From Cells to Society: Understanding Complexity		
ASM 494 Topic: Models in Social Evolution		
BME 301 Numerical Methods in Biomedical Engineering		

Requirement	Minimum grade	Credit hours
BMI 461 Advanced Topics in Biomedical Informatics I		
BMI 462 Advanced Topics In Biomedical Informatics II		
COM 308 Communication Research Strategies		
COM 407 Qualitative Data Analysis in Communication		
CRJ 303 Statistical Analysis (QTRS)		
ECN 416 Game Theory and Economic Behavior		
ECN 441 Public Economics (CIVI)		
ECN 445 Environmental Economics		
ECN 470 Mathematical Economics		
FAS 361 Applied Research Methods (SOBE)		
FAS 498 Topic: Advanced Statistics for Social Sciences		
FIS 335 Designing Knowledge		
FIS 403 Governing Emerging Technologies		
GCU 325 Geography of Europe (GCSI)		
GCU 351 Population Geography (GCSI)		
GCU 357 Social Geography		
GCU 361 Urban Geography		
GCU 364 Energy in the Global Arena		
GCU 426 Geography of Russia and Surroundings		
ISS 415 Knowledge Management		
MKT 352 Marketing Research		
PAF 471 Public Policy Analysis		
POS 331 Public Opinion		

Requirement	Minimum grade	Credit hours
POS 434 Media and Politics		
PUP 424 Planning Methods		
PUP 481 Fundamentals of Spatial Optimization		
SBS 302 Qualitative Methods (SOBE)		
SBS 304 Social Statistics I (QTRS)		
SBS 389 Ethnographic Field Lab		
SBS 404 Social Statistics II: Multivariate Analysis		
SGS 305 / **POS 301 Empirical Political Inquiry (SOBE)**		
SOS 424 Dynamic Modeling in Social and Ecological Systems		
SOS 441 / **AML 441 Mathematical Concepts and Tools in Sustainability**		
STP 310 Design and Analysis of Experiments		
STP 311 Regression and Time Series Analyses		
TWC 411 Principles of Visual Communication		
OR **Upper Division Spatial Sciences Track**		
Spatial Sciences Track: complete six total courses as outlined below. In addition, students will complete two credit hours of DAT 490 Data Science Capstone or a 400-level GIS capstone course chosen in consultation with an assigned academic advisor.		
GIS 311 Geographic Information Science III (QTRS)		
GIS 322 Programming Principles in GIS II		
Select one of the three courses below:		
GIS 469 Multivariate Statistics for Social Sciences		
GIS 470 Advanced Statistics for Geography and Planning (QTRS)		

Requirement	Minimum grade	Credit hours
GIS 471 Spatial Statistics for Geography and Planning		
Select one of the five courses below:		
GIS 451 Geodesign and Urban Planning		
GIS 494 Topic: GIS and Public Health		
GIS 494 Topic: GIS for Climate Change Science		
GIS 494 Topic: Landscape Analysis Using GIS		
Behavioral Sciences Track	C	6 - 7
Behavioral Sciences Track: complete six total courses as outlined below. Students must also complete three credit hours in DAT 490 or a 400-level disciplinary capstone course drawn from the CDE, FAS, or PSY subject areas.		
In cooperation with an assigned academic advisor, select four courses from following options:		
SOC 390 Social Statistics I (QTRS)		
CDE 232 Human Development (SOBE) **or** **FAS 101 Personal Growth and Relationships (SOBE)** **or** **PSY 101 Introduction to Psychology (SOBE)**		
FAS 498 Topic: Advanced Statistics for Social Sciences **or** **SOC 469 Multivariate Statistics for Social Sciences** **or** **PSY 330 Statistical Methods (QTRS)**		
PSY 290 Research Methods (SCIT) **or** **FAS 361 Applied Research Methods (SOBE)**		
In cooperation with an assigned academic advisor, choose two elective courses from the list below:		
CDE 312 Adolescence (SOBE)		
CDE 337 Early Childhood Intervention		
CDE 418 Aging and the Life Course (SOBE)		

Requirement	Minimum grade	Credit hours
CDE 430 Infant and Toddler Development in the Family (SOBE)		
CDE 450 Childhood Disorders and Family Functioning		
FAS 301 Introduction to Parenting		
FAS 331 Modern Family Relationships (SOBE)		
FAS 332 Human Sexuality (SOBE)		
FAS 440 Fundamentals of Marriage and Family Therapy		
LSC 325 / **PSY 325** / **PTX 325 Physiological Psychology**		
PSY 315 Personality Theory and Research (SOBE)		
PSY 320 Learning and Motivation		
PSY 324 Memory and Cognition		
PSY 341 Developmental Psychology (SOBE)		
PSY 350 Social Psychology (SOBE)		
OR **Biosciences Track**		
Biological Sciences Track: complete BIO 415 and BIO 439, a Bioethics related course, three track electives (minimum of nine credit hours) and three credit hours of DAT 490 Data Science Capstone.		
BIO 415 Statistical Models for Biology (QTRS)		
BIO 439 Computing for Research		
Choose once course from the list below:		
BIO 312 / **PHI 320 Bioethics (HUAD)**		
BIO 316 / **HPS 330 History of Biology: Conflicts and Controversies (HUAD)**		
BIO 317 / **HPS 323 History of Science II (HUAD)**		

Requirement	Minimum grade	Credit hours
BIO 318 / **HPS 331 History of Medicine (HUAD)**		
BIO 416 / **HPS 410 Biomedical Research Ethics (CIVI)**		
Choose three elective courses from list below:		
BIO 355 Introduction to Computational Molecular Biology		
BIO 411 Quantitative Methods in Conservation and Ecology		
BIO 440 / **MBB 440 Functional Genomics**		
BIO 494 Topic: Data Analysis in Neuroscience		
BIO 494 Topic: Microbiome Data Science		
BIO 498 Topic: Genomics Research Experience		
BIO 498 Topic: Programming for biologists		
OR **Business Analytics Track**		
Business Analytics Track: complete all six courses listed below. Students also complete three credit hours of DAT 490 Data Science Capstone.		
CIS 235 Introduction to Information Systems, Analytics and AI in Business		
CIS 407 Business Database Systems Development		
CIS 409 Business Data Warehouses and Dimensional Modeling		
CIS 412 Business Machine Learning		
CIS 415 Big Data and AI in Business		
WPC 300 Problem Solving and Actionable Analytics (QTRS)		
OR **Chemistry and Biochemistry Track**		
Chemistry and Biochemistry Track: complete 21 total credits as outlined below. In addition, students need to complete three		

Requirement	Minimum grade	Credit hours
credit hours in DAT 490 Data Science Capstone.		
CHM 114 General Chemistry for Engineers (SCIT)		
CHM 231 Elementary Organic Chemistry (SCIT)		
CHM 325 Analytical Chemistry		
BCH 361 Principles of Biochemistry or **CHM 341 Elementary Physical Chemistry**		
BCH 392 / **CHM 392 Introduction to Research Techniques** or **DAT 490 Data Science Capstone**		
BCH 494 Topic: Modern Approaches to Biochemical Data Analysis or **CHM 494 Topic: Data Modeling for the Natural Sciences**		
Select three credits from the list below:		
BCH 341 Physical Chemistry with a Biological Focus		
BCH 361 Principles of Biochemistry		
BCH 367 Elementary Biochemistry Laboratory		
BCH 461 General Biochemistry I		
BCH 462 General Biochemistry II		
BCH 463 Biophysical Chemistry		
BCH 467 Analytical Biochemistry Laboratory		
BCH 484 Internship		
BCH 494 Special Topics		
CHM 302 Environmental Chemistry		
CHM 303 Environmental Chemistry Laboratory		
CHM 326 Advanced Analytical Chemistry Laboratory		
CHM 327 Instrumental Analysis		

Requirement	Minimum grade	Credit hours
CHM 328 Instrumental Analysis Laboratory		
CHM 341 Elementary Physical Chemistry		
CHM 343 Elementary Physical Chemistry Laboratory		
CHM 345 Physical Chemistry I		
CHM 346 Physical Chemistry II		
CHM 348 Physical Chemistry Laboratory I		
CHM 349 Physical Chemistry Laboratory II		
CHM 385 Oceanography		
CHM 433 Bioorganic Chemistry		
CHM 435 Medicinal Chemistry		
CHM 452 Inorganic Chemistry Laboratory		
CHM 453 Inorganic Chemistry		
CHM 460 Biological Chemistry		
CHM 471 Solid-State Chemistry		
CHM 481 Geochemistry		
CHM 484 Internship		
CHM 489 Field Geochemistry		
CHM 494 Special Topics		
OR Computer Science Track		
Computer Science Track: complete six total courses as outlined below. In addition, students must complete three credit hours of DAT 490 Data Science Capstone.		
CSE 220 Programming for Computer Engineering **or** CSE 240 Introduction to Programming Languages		

Requirement	Minimum grade	Credit hours
CSE 310 Data Structures and Algorithms		
CSE 365 Information Assurance		
MAT 243 Discrete Mathematical Structures		
In consultation with an advisor, choose two elective courses from following five options:		
CSE 450 Design and Analysis of Algorithms		
CSE 467 Data and Information Security		
CSE 471 Introduction to Artificial Intelligence		
CSE 475 Foundations of Machine Learning		
CSE 476 Introduction to Natural Language Processing		

OR Mathematics Track

Mathematics Track: complete six total courses as outlined below. In addition, students need to complete three credit hours in DAT 490 Data Science Capstone.		
MAT 267 Calculus for Engineers III (MATH) **or** MAT 272 Calculus with Analytic Geometry III (MATH)		
MAT 275 Modern Differential Equations (MATH)		
In cooperation with an academic advisor, choose four elective courses from the list below:		
ACT 301 Risk Management and Insurance (SOBE)		
ACT 302 Fundamentals of Enterprise Risk Management		
ACT 435 Statistics for Risk Modeling		
DAT 431 Industry Tools for Data Science		
DAT 435 Exploration and Analysis of Environmental Data		
DAT 484 Internship		

Requirement	Minimum grade	Credit hours
DAT 494 Topic: Bayesian Statistics		
MAT 300 Mathematical Structures		
MAT 353 Mathematics and Cancer		
MAT 419 Introduction to Linear Optimization		
MAT 420 Scientific Computing		
MAT 421 Applied Computational Methods (MATH)		
MAT 423 Numerical Analysis I (MATH)		
MAT 425 Numerical Analysis II		
MAT 429 Optimization		
MAT 451 Mathematical Modeling		
MAT 452 Introduction to Chaos and Nonlinear Dynamics		
STP 310 Design and Analysis of Experiments		
STP 311 Regression and Time Series Analyses		
STP 420 Introductory Applied Statistics (QTRS) **or** STP 427 Mathematical Statistics		
STP 421 Probability		
STP 429 Applied Regression (QTRS)		

OR Social Sciences Track

Social Sciences Track: complete six courses for a minimum of 18 credit hours as outlined below, at least 12 credit hours of which must be upper division. In addition, students must complete three credit hours in DAT 490 Data Science Capstone or a disciplinary-specific capstone course.

Select one course from the following options:

ECN 425 Introduction to Econometrics

Requirement	Minimum grade	Credit hours
POS 401 / **SGS 401 Political Statistics (QTRS)**		
Choose five elective courses from the list below:		
ACO 100 All About Data: Design, Query, and Visualization (QTRS)		
ALA 235 Introduction to Computer Modeling		
AML 253 Introduction to Mathematical Tools and Modeling for the Life and Social Sciences (MATH)		
AML 441 Mathematical Concepts and Tools in Sustainability		
ASB 230 Beginning Social Research (SOBE)		
ASB 230 Beginning Social Research (SOBE)		
ASB 363 / **BIO 363 From Cells to Society: Understanding Complexity**		
ASM 201 Epidemics and Outbreaks		
ASM 494 Topic: Models in Social Evolution		
BME 301 Numerical Methods in Biomedical Engineering		
BMI 211 Clinical Decision Analysis		
BMI 461 Advanced Topics in Biomedical Informatics I		
BMI 462 Advanced Topics In Biomedical Informatics II		
COM 308 Communication Research Strategies		
COM 407 Qualitative Data Analysis in Communication		
CRJ 303 Statistical Analysis (QTRS)		
ECN 416 Game Theory and Economic Behavior		
ECN 441 Public Economics (CIVI)		
ECN 445 Environmental Economics		

Requirement	Minimum grade	Credit hours
ECN 470 Mathematical Economics		
FAS 361 Applied Research Methods (SOBE)		
FAS 498 Topic: Advanced Statistics for Social Sciences		
FIS 335 Designing Knowledge		
FIS 403 Governing Emerging Technologies		
GCU 325 Geography of Europe (GCSI)		
GCU 351 Population Geography (GCSI)		
GCU 357 Social Geography		
GCU 361 Urban Geography		
GCU 364 Energy in the Global Arena		
GCU 426 Geography of Russia and Surroundings		
ISS 415 Knowledge Management		
MKT 352 Marketing Research		
PAF 471 Public Policy Analysis		
POS 331 Public Opinion		
POS 434 Media and Politics		
PUP 424 Planning Methods		
PUP 481 Fundamentals of Spatial Optimization		
SBS 302 Qualitative Methods (SOBE)		
SBS 304 Social Statistics I (QTRS)		
SBS 389 Ethnographic Field Lab		
SBS 404 Social Statistics II: Multivariate Analysis		
SGS 305 / POS 301 Empirical Political Inquiry (SOBE)		

Requirement	Minimum grade	Credit hours
SOS 212 Systems, Dynamics and Sustainability (QTRS)		
SOS 424 Dynamic Modeling in Social and Ecological Systems		
SOS 441 / AML 441 Mathematical Concepts and Tools in Sustainability		
STP 310 Design and Analysis of Experiments		
STP 311 Regression and Time Series Analyses		
TWC 411 Principles of Visual Communication		
OR Spatial Sciences Track		
Spatial Sciences Track: complete six total courses as outlined below. In addition, students will complete two credit hours of DAT 490 Data Science Capstone or a 400-level GIS capstone course chosen in consultation with an assigned academic advisor.		
GIS 205 Geographic Information Science I (QTRS)		
GIS 211 Geographic Information Science II (QTRS)		
GIS 311 Geographic Information Science III (QTRS)		
GIS 322 Programming Principles in GIS II		
Select one of the three courses below:		
GIS 469 Multivariate Statistics for Social Sciences		
GIS 470 Advanced Statistics for Geography and Planning (QTRS)		
GIS 471 Spatial Statistics for Geography and Planning		
Select one of the five courses below:		
GIS 202 Drones to Satellites: Observing Earth from Above (QTRS)		
GIS 451 Geodesign and Urban Planning		

Requirement	Minimum grade	Credit hours
GIS 494 Topic: GIS and Public Health		
GIS 494 Topic: GIS for Climate Change Science		
GIS 494 Topic: Landscape Analysis Using GIS		

The College Requirements

Mathematics Proficiency Requirement: All students are required to obtain a grade of "C" or higher in any course that satisfies the ASU General Studies MATH requirement.

Science and Society Requirement: All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list. At least one of the two courses must be upper division and students must earn a "C" or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields and ASU General Studies requirements.

Upper Division Science and Society Elective	C	3

ASU 101 or College-Specific First-Year Seminar

ASU 101 or college-specific equivalent First-Year Seminar required of all first-year students.

ASU 101-LA The ASU Experience **OR** **LIA 101 Student Success in The College of Liberal Arts and Sciences** Campus immersion students enroll in LIA 101. ASU Online students enroll in ASU 101-LA.		1

First-Year Composition

ENG 101 First-Year Composition **AND** **ENG 102 First-Year Composition**	C	6

OR **ENG 105 Advanced First-Year Composition**

OR **ENG 107 First-Year Composition** **AND** **ENG 108 First-Year Composition**

Notes:

All baccalaureate degree students must fulfill university graduation requirements, including a minimum of 120 credit hours, with at least 45 credit hours in upper-division courses.

All undergraduate students must complete General Studies requirements.

Mathematics Placement Assessment score determines placement in first mathematics course.

Students should work with their academic advisor, and consider course prerequisites, in order to complete all degree requirements in four years.

Some upper-division track courses require prerequisites. It is recommended that students consult with their advisors and use electives to complete appropriate course prerequisites.

Please consult with your academic advisor regarding the number of credits required for your DAT 490 capstone experience. It is a variable credit hour class.

General Studies designations listed next to courses were valid for the fall 2026 semester. Please refer to the Course Catalog for current general studies designations at time of class registration. General studies credit is applied according to the designation the course carries at the time the class is taken.