

Transfer Guides

Pensacola State College | University of West Florida

Hal Marcus College of Science and Engineering

2025-2026



Refer to the [course catalog](#) for the most current degree planning information.

ARTICULATED ASSOCIATE IN ARTS/BACHELOR OF SCIENCE

Biology, BS

**PSC Course****Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
BSC1010+L	Principles of Biology (+Lab)	4	BSC2010+L	Biology I (+Lab)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core*	3		Social Science General Education Core or Breadth	3
General Education Electives					
BSC1011+L	Principles of Biological Diversity (+Lab)	4	BSC2011+L	Biology II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
CHM2210+L	Organic Chemistry I (+Lab)	4	CHM2210+L	Organic Chemistry I (+Lab)	4
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Biology Teaching, BA



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
BSC1010+L	Principles of Biology (+Lab)	4	BSC2010+L	Biology I (+Lab)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core*	3		Social Science General Education Core or Breadth	3
General Education Electives					
BSC1011+L	Principles of Biological Diversity (+Lab)	4	BSC2011+L	Biology II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
CHM2210+L	Organic Chemistry I (+ Lab)	4	CHM2210+L	Organic Chemistry I (+ Lab)	4
PHY1053+L	General Physics I (+ Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
EDG2041	Exploring Inquiry Teaching	3	EDG2041	Exploring Inquiry Teaching	3
	Foreign Language I or Elective(s)	3		Foreign Language I or Lower Division Elective(s)	3
Total College Credit Hours		60+	Total College Credit Hours		60

* AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. Students declaring a major in the Biology Teaching degree program will automatically be placed in a pending status until they are fully admitted to the program. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Biomedical Sciences, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
BSC1010+L	Principles of Biology (+Lab)	4	BSC2010+L	Biology I (+Lab)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core*	3		Social Science General Education Core or Breadth	3
General Education Electives					
BSC1011+L	Principles of Biological Diversity (+Lab)	4	BSC2011+L	Biology II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
CHM2210+L	Organic Chemistry I (+Lab)	4	CHM2210+L	Organic Chemistry I (+Lab)	4
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

ARTICULATED ASSOCIATE IN ARTS/BACHELOR OF ARTS

Chemistry, BA



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
CHM2210+L	Organic Chemistry I (+Lab)	4	CHM2210+L	Organic Chemistry I (+Lab)	4
CHM2111+L	Organic Chemistry II (+Lab)	4	CHM2111+L	Organic Chemistry II (+Lab)	4
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
or			or		
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus -Based Physics I (+Lab)	4
	Foreign Language or Elective	3		Foreign Language or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

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Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Chemistry/Biochemistry, BA



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
CHM2210+L	Organic Chemistry I (+Lab)	4	CHM2210+L	Organic Chemistry I (+Lab)	4
CHM2111+L	Organic Chemistry II (+Lab)	4	CHM2111+L	Organic Chemistry II (+Lab)	4
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
or			or		
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus -Based Physics I (+Lab)	4
	Foreign Language or Elective	3		Foreign Language or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

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Chemistry Teaching, BA



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
CHM2210+L	Organic Chemistry I (+Lab)	4	CHM2210+L	Organic Chemistry I (+Lab)	4
CHM2111+L	Organic Chemistry II (+Lab)	4	CHM2111+L	Organic Chemistry II (+Lab)	4
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
or			or		
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus -Based Physics I (+Lab)	4
	Foreign Language or Elective	3		Foreign Language or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

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Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. Students declaring a major in the Chemistry Teaching degree program will automatically be placed in a pending status until they are fully admitted to the program. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Chemistry, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
CHM2210+L	Organic Chemistry I (+Lab)	4	CHM2210+L	Organic Chemistry I (+Lab)	4
CHM2111+L	Organic Chemistry II (+Lab)	4	CHM2111+L	Organic Chemistry II (+Lab)	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Chemistry/Biochemistry, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
CHM2210+L	Organic Chemistry I (+Lab)	4	CHM2210+L	Organic Chemistry I (+Lab)	4
CHM2111+L	Organic Chemistry II (+Lab)	4	CHM2111+L	Organic Chemistry II (+Lab)	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Civil Engineering, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
PHY2049+L	Physics II with Calculus (+Lab)	5	PHY2049+L	Calculus-Based Physics II (+Lab)	4
MAP2302	Differential Equations	3	MAP2302	Differential Equations	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Computer Engineering, BSCE



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
PHY2049+L	Physics II with Calculus (+Lab)	5	PHY2049+L	Calculus-Based Physics II (+Lab)	4
MAP2302	Differential Equations	3	MAP2302	Differential Equations	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

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Computer Science, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
PHI2600	Ethics	3	PHI2603	Ethics in Contemporary Society	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
	Natural Science General Education Core Course	3		Natural Science General Education Core Course	3
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
ECO2013	Macroeconomics	3	ECO2013	Principles of Economics Macro	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
COP2224	C++ Programming	3	COP2334	Programming Using C++	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
PHY2049+L	Physics II with Calculus (+Lab)	5	PHY2049+L	Calculus-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Construction Management, BS


PSC Course

Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sciences General Education*					
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
ECO2013	Macroeconomics	3	ECO2013	Principles of Economics Macro	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
or			or		
MAC2233	Calculus w/ Business Applications	3	MAC2233	Calculus w/ Business Applications	3
ACG2021	Financial Accounting Principles	3	ACG2021	Principles of Financial Accounting	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
	Electives	13-14		Foreign Language I or Lower Division Elective	13-14
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

ARTICULATED ASSOCIATE IN ARTS/BACHELOR OF SCIENCE

Cybersecurity, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
PHI2600	Ethics	3	PHI2603	Ethics in Contemporary Society	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
ECO2013	Macroeconomics	3	ECO2013	Principles of Economics Macro	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
XXXXxxx	Foreign Language II	3	XXXXxxx	Foreign Language II	3
or			or		
SPC1608	Public Speaking	3	SPC2608	Public Speaking	3
Electives					
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
COP2224	C++ Programming	3	COP2334	Programming Using C++	3
ECO2023	Microeconomics	3	ECO2023	Principles of Economics Micro	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
CIS2530	Introduction to Cybersecurity	3	CIS2530	Introduction to Cybersecurity	3
XXXXxxx	Foreign Language I	3	XXXXxxx	Foreign Language I	3
or			or		
ACG2021	Financial Accounting Principles	3	ACG2021	Principles of Financial Accounting	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Earth and Environmental Science Teaching, BA


PSC Course

Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sciences General Education					
BSC1005+L	Introduction to Biology (+Lab)	4	BSC1005+L	General Biology for Non-Majors (+Lab)	4
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core*	3		Social Science General Education Core or Breadth	3
General Education Electives					
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1147	Precalculus Algebra/Trigonometry	4	MAC1147	Precalculus with Trigonometry	4
BOT2010+L	General Botany (+Lab)	4	BOT2010+L	General Botany (+Lab)	4
GLY1010+L	Physical Geology (+Lab)	4	GLY2010+L	Physical Geology (+Lab)	4
or		4	or		4
ESC1000+L	Earth Science (+Lab)		ESC2000+L	Introduction to Earth Science (+Lab)	
EDG2041	Exploring Inquiry Teaching	3	EDG2041	Exploring Inquiry Teaching	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
	Elective	3		Lower Division Elective	3
Total College Credit Hours		60	Total College Credit Hours		60

* AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Students declaring a major in the Earth and Environmental Science Teaching degree program will automatically be placed in a pending status until they are fully admitted to the program. Acceptance to the University does not constitute admission to the upper-division program. Please refer to the [course catalog](#) for additional admissions and program requirements.

Electrical Engineering, BSEE



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
PHY2049+L	Physics II with Calculus (+Lab)	5	PHY2049+L	Calculus-Based Physics II (+Lab)	4
MAP2302	Differential Equations	3	MAP2302	Differential Equations	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective(s)	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Engineering Technology, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045	General Chemistry I	3	CHM2045	General Chemistry I	3
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
PHY1053+L	General Physics I (+Lab)	4	PHY1053+L	Algebra-Based Physics I (+Lab)	4
PHY1054+L	General Physics II (+Lab)	4	PHY2054+L	Algebra-Based Physics II (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
	Electives	9		Lower Division Electives	9
Total College Credit Hours		60	Total College Credit Hours		60

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

ARTICULATED ASSOCIATE IN ARTS/BACHELOR OF SCIENCE

Environmental Science, BS

ENVIRONMENTAL MANAGEMENT SPECIALIZATION

**PSC Course****Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sciences General Education					
BSC1005+L	Introduction to Biology (+Lab)	4	BSC1005+L	General Biology for Non-Majors (+Lab)	4
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
Social Sciences General Education					
ANT2000	Introduction to Anthropology	3	ANT2000	Introduction to Anthropology	3
or			or		
PSY2012	General Psychology		PSY2012	General Psychology	
GEA2000	World Regional Geography		GEA2000	Nations and Regions of the World	
or			or		
ECO2013	Macroeconomics	3	ECO2013	Principles of Economics Macro	3
or			or		
INR2002	Intro to International Relations		INR2002	International Politics	
or			or		
POS2041	American National Government*		POS2041	American Politics	
General Education Electives					
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
BOT2010+L	General Botany (+Lab)	4	BOT2010+L	General Botany (+Lab)	4
GLY1010+L	Physical Geology (+Lab)	4	GLY2010+L	Physical Geology (+Lab)	4
or			or		
ESC1000+L	Earth Science (+Lab)		ESC2000+L	Introduction to Earth Science (+Lab)	
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
	Electives	7		Lower Division Electives	7
Total College Credit Hours		60	Total College Credit Hours		60

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

ARTICULATED ASSOCIATE IN ARTS/BACHELOR OF SCIENCE

Environmental Science, BS

NATURAL SCIENCE SPECIALIZATION

**PSC Course****Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
ANT2000	Introduction to Anthropology	3	ANT2000	Introduction to Anthropology	3
or			or		
PSY2012	General Psychology		PSY2012	General Psychology	
GEA2000	World Regional Geography		GEA2000	Nations and Regions of the World	
or			or		
ECO2013	Macroeconomics	3	ECO2013	Principles of Economics Macro	3
or			or		
INR2002	Intro to International Relations		INR2002	International Politics	
or			or		
POS2041	American National Government**		POS2041	American Politics	
General Education Electives					
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
BOT2010+L	General Botany (+Lab)	4	BOT2010+L	General Botany (+Lab)	4
GLY1010+L	Physical Geology (+Lab)	4	GLY2010+L	Physical Geology (+Lab)	4
or			or		
ESC1000+L	Earth Science (+Lab)		ESC2000+L	Introduction to Earth Science (+Lab)	
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
or			or		
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core. ** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met. **Note:** Total college credit hours vary depending on math prerequisites and/or meeting the foreign language requirement. Refer to the [course catalog](#).

Information Technology, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
PHI2600	Ethics	3	PHI2603	Ethics in Contemporary Society	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sciences General Education*					
	Natural Science General Education Core Course	3		Natural Science General Education Core Course	3
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
ECO2013	Macroeconomics	3	ECO2013	Principles of Economics Macro	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
PSY2012	General Psychology	3	PSY2012	General Psychology	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC2233	Calculus with Business Applications I	3	MAC2233	Calculus with Business Applications	3
CGS1570	Computer Concepts and Applications	3	CGS2570	Personal Computer Applications	3
COP2224	C++ Programming	3	COP2334	Programming Using C++	3
or		3	or		3
COP2800	Java Programming	3	COP2253	Programming Using Java	3
PHI2100	Logic and Critical Thinking	3	PHI2103	Critical Thinking	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
	Electives	9		Electives	9
Total College Credit Hours		60	Total College Credit Hours		60

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

ARTICULATED ASSOCIATE IN ARTS/BACHELOR OF SCIENCE

Interdisciplinary Sciences, BS

BIOLOGY AND COMPUTER SCIENCE TRACK

**PSC Course****Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
BSC1010+L	Principles of Biology I (+Lab)	4	BSC2010+L	Biology I (+Lab)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core*	3		Social Science General Education Core or Breadth	3
General Education Electives					
BSC1011+L	Principles of Biological Diversity (+Lab)	4	BSC2011+L	Biology II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
or			or		
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
CHM2210+L	Organic Chemistry I (+Lab)	4	CHM2210+L	Organic Chemistry I (+Lab)	4
COPxxxx	Intro to Programming (ADA, C, C++, Pascal, or equivalent)	3	COPxxxx	Intro to Programming (ADA, C, C++, Pascal, or equivalent)	3
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
or			or		
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

ARTICULATED ASSOCIATE IN ARTS/BACHELOR OF SCIENCE

Interdisciplinary Sciences, BS

BIOLOGY AND EARTH & ENVIRONMENTAL SCIENCES TRACK

**PSC Course****Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
BSC1010+L	Principles of Biology I (+Lab)	4	BSC2010+L	Biology I (+Lab)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core*	3		Social Science General Education Core or Breadth	3
General Education Electives					
GLY1010+L	Physical Geology (+Lab)	4	GLY2010+L	Physical Geology (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
or			or		
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
BSC1011+L	Principles of Biological Diversity (+Lab)	4	BSC2011+L	Biology II (+Lab)	4
or			or		
BOT2010+L	General Botany (+Lab)	4	BOT2010+L	General Botany (+Lab)	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
or			or		
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Interdisciplinary Sciences, BS

COMPUTER SCIENCE AND EARTH & ENVIRONMENTAL SCIENCE TRACK



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sciences General Education					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
BSC1010+L	Principles of Biology I (+Lab)	4	BSC2010+L	Biology I (+Lab)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core*	3		Social Science General Education Core or Breadth	3
General Education Electives					
BSC1011+L	Principles of Biological Diversity (+Lab)	4	BSC2011+L	Biology II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
GLY1010+L	Physical Geology (+Lab)	4	GLY2010+L	Physical Geology (+Lab)	4
COPxxxx	Intro to Programming in ADA, C, C++, Pascal, or equivalent	3	COPxxxx	Intro to Programming in ADA, C, C++, Pascal, or equivalent	3
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
or			or		
PHY1053+L	General Physics I (+Lab)	4	PHY2053+L	Algebra-Based Physics I (+Lab)	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Marine Biology, BS


PSC Course

Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sciences General Education					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
BSC1010+L	Principles of Biology I (+Lab)	4	BSC2010+L	Biology I (+Lab)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core*	3		Social Science General Education Core or Breadth	3
General Education Electives					
BSC1011+L	Principles of Biological Diversity (+Lab)	4	BSC2011+L	Biology II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
CHM1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
CHM2210+L	Organic Chemistry I (+Lab)	8	CHM2210+L	Organic Chemistry I (+Lab)	8
CHM2211+L	Organic Chemistry II (+Lab)		CHM2211+L	Organic Chemistry II (+Lab)	
or			or		
PHY1053+L	General Physics I (+Lab)	3	PHY2053+L	Algebra-Based Physics I (+Lab)	3
PHY1054+L	General Physics II (+Lab)		PHY2054+L	Algebra-Based Physics II (+Lab)	
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Mathematics, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
	Natural Science General Education Core Course	3		Natural Science General Education Core Course	3
	Natural Science General Education Core or Non-Core (+Lab) (BSC, CHM, PHY, or GLY prefix)	4		Natural Science General Education Core or Breadth (+Lab) (BSC, CHM, PHY, or GLY prefix)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
COPxxxx	Computer Language Elective	3	COPxxxx	Computer Language Elective	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
	Electives	9		Lower Division Electives	9
Total College Credit Hours		60	Total College Credit Hours		60

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Mathematics Teaching, BA



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
	Natural Science General Education Core Course	3		Natural Science General Education Core Course	3
	Natural Science General Education Core or Non-Core (+Lab) (BSC, CHM, PHY, or GLY prefix)	4		Natural Science General Education Core or Breadth (+Lab) (BSC, CHM, PHY, or GLY prefix)	4
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
COPxxxx	Computer Language Elective	3	COPxxxx	Computer Language Elective	3
EDG2041	Exploring Inquiry Teaching	3	EDG2041	Exploring Inquiry Teaching	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
	Electives	6		Lower Division Electives	6
Total College Credit Hours		60	Total College Credit Hours		60

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Mechanical Engineering, BSME



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
PHY2049+L	Physics II with Calculus (+Lab)	5	PHY2049+L	Calculus-Based Physics II (+Lab)	4
MAP2302	Differential Equations	3	MAP2302	Differential Equations	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60	Total College Credit Hours		60

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** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

ARTICULATED ASSOCIATE IN ARTS/BACHELOR OF ARTS

Physics, BA



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
CMH1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
PHY2049+L	Physics II with Calculus (+Lab)	5	PHY2049+L	Calculus-Based Physics II (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Physics Teaching, BA



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
CMH1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
PHY2049+L	Physics II with Calculus (+Lab)	5	PHY2049+L	Calculus-Based Physics II (+Lab)	4
EDG2041	Exploring Inquiry Teaching	3	EDG2041	Exploring Inquiry Teaching	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

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Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

ARTICULATED ASSOCIATE IN ARTS/BACHELOR OF SCIENCE

Physics, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
CMH1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
PHY2049+L	Physics II with Calculus (+Lab)	5	PHY2049+L	Calculus-Based Physics II (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Engineering Physics, BS



PSC Course



Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
	Humanities General Education Core or Non-Core	3		Humanities General Education Core or Breadth	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sciences General Education*					
CHM1045+L	General Chemistry I (+Lab)	4	CHM2045+L	General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
	Social Science General Education Core Course	3		Social Science General Education Core Course	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
CMH1046+L	General Chemistry II (+Lab)	4	CHM2046+L	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	Calculus-Based Physics I (+Lab)	4
PHY2049+L	Physics II with Calculus (+Lab)	5	PHY2049+L	Calculus-Based Physics II (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60+	Total College Credit Hours		60+

* If Biological Science is Core, then Physical Science must be Non-Core or Core. If Physical Science is Core, then Biological Science must be Non-Core or Core.

** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).

Software Development, BS


PSC Course

Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communications General Education					
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities General Education					
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
PHI2600	Ethics	3	PHI2603	Ethics in Contemporary Society	3
Mathematics General Education					
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sciences General Education*					
	Natural Science General Education Core Course	3		Natural Science General Education Core Course	3
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Sciences General Education					
ECO2013	Macroeconomics	3	ECO2013	Principles of Economics Macro	3
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Education Electives					
MAC2233	Calculus with Business Applications I	3	MAC2233	Calculus with Business Applications	3
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
ECO2023	Microeconomics	3	ECO2023	Principles of Economics Micro	3
ACG2021	Financial Accounting Principles	3	ACG2021	Principles of Financial Accounting	3
ACG2071	Intro to Managerial Accounting	3	ACG2071	Principles of Managerial Accounting	3
CGS1570	Computer Concepts and Applications	3	CGS2570	Personal Computer Applications	3
COP2800	Java Programming	3	COP2253	Programming Using Java	3
COP2224	C++ Programming	3	COP2334	Programming Using C++	3
CIS2530	Introduction to Cybersecurity	3	CIS2530	Introduction to Cybersecurity	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total College Credit Hours		60	Total College Credit Hours		60

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** AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

Note: Total college credit hours may vary depending on additional math prerequisites and/or whether or not the foreign language requirement has been met. In addition to the University's general requirements, students seeking a UWF Hal Marcus College of Science and Engineering degree must meet additional requirements. Please refer to the [course catalog](#).