# Transfer Guides

Pensacola State College | University of West Florida

# Hal Marcus College of Science and Engineering

2025-2026





# Biology, BS

### PSC PSC Course

#### **SUMF** Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations 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
Mathematic	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	ences General Education				
CHM1045+L	_ General Chemistry I (+Lab)	4	CHM2045+	LGeneral Chemistry I (+Lab)	4
BSC1010+L	Principles of Biology (+Lab)	4	BSC2010+I	L Biology I (+Lab)	4
Social Scie	nces 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 Ed	lucation Electives				
BSC1011+L	Principles of Biological Diversity (+La	b)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
	. General Chemistry II (+Lab)	4		General Chemistry II (+Lab)	4
	Organic Chemistry I (+Lab)	4		_ Organic Chemistry I (+Lab)	4
PHY1053+L	General Physics I (+Lab)	4	PHY2053+I	_ Algebra-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total Colle	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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**.

<sup>\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Biology Teaching, BA**

### PSC Course

### **WF Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanitie	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sc.	iences General Education				
	L General Chemistry I (+Lab)	4		LGeneral Chemistry I (+Lab)	4
BSC1010+L	Principles of Biology (+Lab)	4	BSC2010+	L Biology I (+Lab)	4
Social Scie	nces 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 Ed	lucation Electives				
BSC1011+L	Principles of Biological Diversity (+La	b) 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
	General Chemistry II (+Lab)	4		L General Chemistry II (+Lab)	4
	_ Organic Chemistry I (+ Lab) L General Physics I (+ Lab)	4		L Organic Chemistry I (+ Lab) L Algebra-Based Physics I (+Lab)	4
EDG2041	Exploring Inquiry Teaching	3	EDG2041	Exploring Inquiry Teaching	3
LD02041	Foreign Language I or Elective(s)	3	LDG2041	Foreign Language I or	3
	. o. orgin Lariguage For Licetive(5)	3		Lower Division Elective(s)	
Total Colle	ege Credit Hours	60+	Total Colle	ege Credit Hours	60

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.

<sup>\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Biomedical Sciences, BS**

#### PSC PSC Course

### **WF Equivalent UWF Course**

Course #	Course Title	СС	Course #	Course Title	СС
Communica	ations 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
Mathematic	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Scie	ences 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 Scien	nces 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 Edi	ucation 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
	. General Chemistry II (+Lab)	4		General Chemistry II (+Lab)	4
	Organic Chemistry I (+Lab)	4		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 Colle	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Chemistry, BA**

#### PSC PSC Course

### **SUWF** Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	СС
Communica	tions 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
Mathematic	s General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Scie	ences 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 Scien	ices 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 Edu	ıcation 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
	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
	Organic Chemistry I (+Lab)	4		Organic Chemistry I (+Lab)	4
	Organic Chemistry II (+Lab)	4		Organic Chemistry II (+Lab)	4
Or	General Physics I (+Lab)	4	Or	L Algebra-Based Physics I (+Lab)	4
<del>-</del> -	Physics I with Calculus (+Lab)	5		LCalculus -Based Physics I (+Lab)	-T
	Foreign Language or Elective	3	11120101	Foreign Language or Lower Division Elective	3
Total Colleg	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# Chemistry/Biochemistry, BA

#### PSC PSC Course

#### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
<b>Humanities</b>	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	iences 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 Scie	ences General Education			Coro or Broadin	
occiai ocic	Social Science General Education	3		Social Science General Education	3
	Core Course	Ü		Core Course	Ū
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Ec	lucation Electives				
	L General Chemistry II (+Lab)	4	CHM2046+I	General Chemistry II (+Lab)	4
	Foreign Language II or	3		Foreign Language II or	3
	General Education Elective			General Education Elective	
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
	L Organic Chemistry I (+Lab)	4		Organic Chemistry I (+Lab)	4
	Organic Chemistry II (+Lab)	4		Organic Chemistry II (+Lab)	4
	L General Physics I (+Lab)	4		L Algebra-Based Physics I (+Lab)	
Or DHV2040+	L Dhysics Lwith Calculus (+Lah)	_	Or DUV2049±	I Calculus Based Physics I (11 ah)	4
PH ( 2048+	L Physics I with Calculus (+Lab)  Foreign Language or Elective	5	PH 12048+	LCalculus -Based Physics I (+Lab)  Foreign Language or	3
	i oreign Language or Elective	3		Lower Division Elective	J
Total Colle	ege Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Chemistry Teaching, BA**

#### PSC PSC Course

#### **SOLUMN Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
<b>Humanities</b>	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	iences 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 Scie	ences General Education			Coro or Broadin	
occiai ocic	Social Science General Education	3		Social Science General Education	3
	Core Course	Ü		Core Course	Ū
	Social Science General Education Core or Non-Core**	3		Social Science General Education Core or Breadth	3
General Ec	lucation Electives				
	L General Chemistry II (+Lab)	4	CHM2046+I	General Chemistry II (+Lab)	4
	Foreign Language II or	3		Foreign Language II or	3
	General Education Elective			General Education Elective	
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
	L Organic Chemistry I (+Lab)	4		Organic Chemistry I (+Lab)	4
	Organic Chemistry II (+Lab)	4		Organic Chemistry II (+Lab)	4
	L General Physics I (+Lab)	4		L Algebra-Based Physics I (+Lab)	
Or DHV2040+	L Dhysics Lwith Calculus (+Lah)	_	Or DUV2049±	I Calculus Based Physics I (11 ah)	4
PH ( 2048+	L Physics I with Calculus (+Lab)  Foreign Language or Elective	5	PH 12048+	LCalculus -Based Physics I (+Lab)  Foreign Language or	3
	i oreign Language or Elective	3		Lower Division Elective	J
Total Colle	ege Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Chemistry, BS**



#### PSC PSC Course

#### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations 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
Mathematic	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	iences General Education*				
CHM1045+I	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 Scie	nces 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 Ed	lucation Electives				
CHM1046+I	_ General Chemistry II (+Lab)	4	CHM2046+I	L General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114 MAC2311	Plane Trigonometry Analytic Geometry and Calculus I	3 4	MAC1114 MAC2311	Trigonometry Analytic Geometry and Calculus I	3 4
MAC2312	Analytic Geometry and Calculus II	4	MAC2312	Analytic Geometry and Calculus II	4
	Organic Chemistry I (+Lab)	4		Organic Chemistry I (+Lab)	4
	Organic Chemistry II (+Lab)	4		Organic Chemistry II (+Lab)	4
PHY2048+L	Physics I with Calculus (+Lab)	5 3	PHY2048+L	Calculus-Based Physics I (+Lab) Foreign Language I or	4
	Foreign Language I or Elective	3		Lower Division Elective	3
Total Colle	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Chemistry/Biochemistry, BS**

#### PSC PSC Course

### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	iences General Education*				
CHM1045+I	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 Scie	nces 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 Ed	lucation Electives				
CHM1046+I	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
	_ Organic Chemistry I (+Lab)	4		L Organic Chemistry I (+Lab)	4
	Organic Chemistry II (+Lab)	4	I	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 Colle	ge Credit Hours	60+	Total Colle	ege Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Civil Engineering, BS**

#### PSC PSC Course

### **SUWF** Equivalent UWF Course

Course #	Course Title	СС	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sc.	iences General Education*				
CHM1045+	L General Chemistry I (+Lab)	4	CHM2045+I	LGeneral Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Scie	ences 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 Ed	lucation 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
	Physics I with Calculus (+Lab)	5		Calculus-Based Physics I (+Lab)	4
	L Physics II with Calculus (+Lab)	5		LCalculus-Based Physics II (+Lab)	4
MAP2302	Differential Equations	3	MAP2302	•	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total Colle	ege Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Computer Engineering, BSCE**



#### PSC PSC Course

#### **SUWF** Equivalent UWF Course

				_	
Course #	Course Title	СС	Course #	Course Title	СС
Communica	ations 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
Mathematic	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	ences General Education*				
CHM1045+L	General Chemistry I (+Lab)  Natural Science General Education  Core or Non-Core	4 3	CHM2045+L	_General Chemistry I (+Lab)  Natural Science General Education  Core or Breadth	4 3
Social Scie	nces General Education			Core or Broader	
	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 Ed	ucation 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 MAC2312	Analytic Geometry and Calculus I  Analytic Geometry and Calculus II  Physical with Calculus (11 ab)		MAC2311 MAC2312	Analytic Geometry and Calculus I Analytic Geometry and Calculus II Calculus Based Physics L (LLab)	4
	Physics I with Calculus (+Lab) Physics II with Calculus (+Lab)	5 5		. Calculus-Based Physics I (+Lab)  _Calculus-Based Physics II (+Lab)	4
MAP2302		3	MAP2302	•	3
1 1/1 2302	Foreign Language I or Elective	3	MAFZJOZ	Foreign Language I or Lower Division Elective	3
Total Colle	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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**.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Computer Science, BS**



#### PSC PSC Course

### **SOURT Equivalent UWF Course**

Course #	Course Title	СС	Course #	Course Title	СС
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanitie.	s General Education				
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
PHI2600	Ethics	3	PHI2603	Ethics in Contemporary Society	3
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sc	iences 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 Scie	ences 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 Ed	lucation 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
	Physics I with Calculus (+Lab)	5		_ Calculus-Based Physics I (+Lab)	4
PHY2049+	L Physics II with Calculus (+Lab)	5	PHY2049+	LCalculus-Based Physics I (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total Colle	ege Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Construction Management, BS**

### PSC PSC Course

#### **SOLUMN Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sci	iences General Education*				
PHY1053+L	_ General Physics I (+Lab)	4	PHY2053+I	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 Scie	nces 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 Ed	lucation Electives				
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
	Foreign Language II or	3		Foreign Language II or	3
	General Education Elective			General Education Elective	
Electives					
MAC2311 <b>or</b>	Analytic Geometry and Calculus I	4	MAC2311 <b>or</b>	Analytic Geometry and Calculus I	4
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 Colle	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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**.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# Cybersecurity, BS

#### PSC PSC Course

#### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	iences General Education*				
PHY2048+L	Physics I with Calculus (+Lab) Natural Science General Education	5 3	PHY2048+L	Calculus-Based Physics I (+Lab) Natural Science General Education	4
	Core or Non-Core			Core or Breadth	
	nces General Education				
ECO2013	Macroeconomics Social Science General Education Core or Non-Core**	3	ECO2013	Principles of Economics Macro Social Science General Education Core or Breadth	3
General Fo	lucation Electives			00.0 0. 0.0000.	
MAC1114	Plane Trigonometry	3	MAC1114	Trigonometry	3
XXXxxxx	Foreign Language II	3	XXXxxxx or	Foreign Language II	3
SPC1608	Public Speaking		SPC2608	Public Speaking	
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 or	Foreign Language I	3	or	Foreign Language I	3
ACG2021	Financial Accounting Principles		ACG2021	Principles of Financial Accounting	
Total Colle	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

### Earth and Environmental Science Teaching, BA

### PSC PSC Course

### **WF** Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	СС
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sci	iences General Education				
	Introduction to Biology (+Lab) General Chemistry I (+Lab)	4		_ General Biology for Non-Majors (+Lak _ General Chemistry I (+Lab)	o) 4 4
	nces 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 Ed	lucation 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
	General Botany (+Lab)	4		General Botany (+Lab)	4
GLY1010+L or	Physical Geology (+Lab)	4	GLY2010+L or	Physical Geology (+Lab)	4
	Earth Science (+Lab)			_ 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 Colle	ge Credit Hours	60	Total Colle	ge Credit Hours	60

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.

<sup>\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Electrical Engineering, BSEE**

#### PSC PSC Course

#### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	iences General Education*				
CHM1045+I	_ 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 Scie	nces 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 Ed	lucation 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 Calulcus I	4	MAC2311	Analytic Geometry and Calulcus I	4
MAC2312	Analytic Geometry and Calulcus II	4	MAC2312	Analytic Geometry and Calulcus II	4
	L Physics I with Calculus (+Lab)	5		Calculus-Based Physics I (+Lab)	4
	L Physics II with Calculus (+Lab)	5		Calculus-Based Physics II (+Lab)	4
MAP2302	Differential Equations	3	MAP2302	•	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective(s	3
Total Colle	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Engineering Technology, BS**

#### PSC PSC Course

#### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	СС
Communic	ations 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	iences 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 Scie	nces 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 Ed	lucation 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
	General Physics I (+Lab)	4		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 Colle	ge Credit Hours	60	Total Colle	ge Credit Hours	60

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Environmental Science, BS**

**ENVIRONMENTAL MANAGEMENT SPECIALIZATION** 



#### **SUWF** Equivalent UWF Course

				•	
Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sci	iences General Education				
	Introduction to Biology (+Lab) General Chemistry I (+Lab)	4		General Biology for Non-Majors (+Lab) . General Chemistry I (+Lab)	4
Social Scie	nces General Education				
ANT2000 <b>or</b>	Introduction to Anthropology	3	ANT2000 <b>or</b>	Introduction to Anthropology	3
PSY2012	General Psychology		PSY2012	General Psychology	
GEA2000 or	World Regional Geography		GEA2000 or	Nations and Regions of the World	
ECO2013 or INR2002	Macroeconomics Intro to International Relations	3	ECO2013 or INR2002	Principles of Economics Macro International Politics	3
<b>or</b> POS2041	American National Government*		<b>or</b> POS2041	American Politics	
General Ed	lucation Electives				
CHM1046+I	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
	General Botany (+Lab)	4		General Botany (+Lab)	4
GLY1010+L <b>or</b>		4	or	Physical Geology (+Lab)	4
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 Colle	ge Credit Hours	60	Total Colle	ge Credit Hours	60

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**.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Environmental Science, BS**

**NATURAL SCIENCE SPECIALIZATION** 

PSC	PSC	Course

#### **SUWF** Equivalent UWF Course

	PSC Course		25 OWI	Equivalent OVVI Cours	36
Course #	Course Title	СС	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s General Education				
	Humanities General Education	3		Humanities General Education	3
	Core Course	•		Core Course	
	Humanities General Education	3		Humanities General Education	3
	Core or Non-Core			Core or Breadth	
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sci	iences General Education*				
	_ General Chemistry I (+Lab)	4	CHM2045+I	L General Chemistry I (+Lab)	4
	Natural Science General Education			Natural Science General Education	
	Core or Non-Core			Core or Breadth	
Social Scie	nces General Education				
ANT2000	Introduction to Anthropology		ANT2000	Introduction to Anthropology	
or		3	or	3,	3
PSY2012	General Psychology		PSY2012	General Psychology	
GEA2000	World Regional Geography		GEA2000	Nations and Regions of the World	
or			or		
ECO2013	Macroeconomics	_	ECO2013	Principles of Economics Macro	_
or	latas to late and tional Deletions	3	or	lukawa shi a a li Daliki a a	3
INR2002	Intro to International Relations		INR2002	International Politics	
<b>or</b> POS2041	American National Government**		<b>or</b> POS2041	American Politics	
_	lucation Electives		1 032041	American Foncies	
		4	CLIM204C L	( Canaval Chamiston II ( I lab.)	4
CHMI046+L	L General Chemistry II (+Lab)  Foreign Language II or	4	CHI42046+I	L General Chemistry II (+Lab)  Foreign Language II or	4
	General Education Elective	3		General Education Elective	J
Electives	General Education Elective			General Education Elective	
MAC1140	Dragaleulus Algabra	3	MAC1140	Precalculus Algebra	7
MAC1114	Precalculus Algebra Plane Trigonometry	3	MAC1114	Trigonometry	3 3
MAC2311	Analytic Geometry and Calculus I	4	MAC2311	Analytic Geometry and Calculus I	4
	General Botany (+Lab)	4		General Botany (+Lab)	4
	Physical Geology (+Lab)	Ť		Physical Geology (+Lab)	
or		4	or		4
	Earth Science (+Lab)		ESC2000+I	L Introduction to Earth Science (+Lab)	)
PHY2048+L	Physics I with Calculus (+Lab)	5	PHY2048+L	_ Calculus-Based Physics I (+Lab)	
or			or		4
PHY1053+L	_ General Physics I (+Lab)	4	PHY2053+l	L Algebra-Based Physics I (+Lab)	
	Foreign Language I or Elective	3		Foreign Language I or	3
				Lower Division Elective	
Total Colle	ge Credit Hours	60+	Total Colle	ege Credit Hours	60+
			1		

<sup>\*</sup> 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 PSC Course

### **SOURT Equivalent UWF Course**

Course #	Course Title	СС	Course #	Course Title	СС
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s General Education				
	Humanities General Education Core Course	3		Humanities General Education Core Course	3
PHI2600	Ethics	3	PHI2603	Ethics in Contemporary Society	3
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sc.	iences 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 Scie	ences General Education				
ECO2013	Macroeconomics Social Science General Education Core or Non-Core**	3	ECO2013	Principles of Economics Macro Social Science General Education Core or Breadth	3
General Ed	ducation 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 CGS1570 COP2224	Calculus with Business Applications Computer Concepts and Applications C++ Programming		MAC2233 CGS2570 COP2334	Calculus with Business Applications Personal Computer Applications Programming Using C++	3 3
<b>or</b> COP2800	Java Programming	3	<b>or</b> 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 Colle	ege Credit Hours	60	Total Colle	ge Credit Hours	60

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Interdisciplinary Sciences, BS**

**BIOLOGY AND COMPUTER SCIENCE TRACK** 



#### **SUWF** Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	iences General Education				
CHM1045+I	L General Chemistry I (+Lab)	4	CHM2045+L	_ General Chemistry I (+Lab)	4
	Principles of Biology I (+Lab)	4		L Biology I (+Lab)	4
Social Scie	nces 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 Eo	lucation Electives				
	Principles of Biological Diversity (+La	h)4	BSC2011+I	. 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 <b>or</b>	Analytic Geometry and Calculus I	4	MAC2311 <b>or</b>	Analytic Geometry and Calculus I	4
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
	L General Chemistry II (+Lab)	4		LGeneral Chemistry II (+Lab)	4
	Organic Chemisty I (+Lab)	4		Organic Chemisty 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
or	L Physics I with Calculus (+Lab)	5	or	L Calculus-Based Physics I (+Lab)	4
PHY1053+l	_ General Physics I (+Lab)	4	PHY2053+L	_ Algebra-Based Physics I (+Lab)	
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total Colle	ge Credit Hours	60+	Total Colle	ege Credit Hours	60+

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**.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Interdisciplinary Sciences, BS**

**BIOLOGY AND EARTH & ENVIRONMENTAL SCIENCES TRACK** 

PSC	PSC	Course

### **SUWF** Equivalent UWF Course

				-	
Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	iences General Education				
	L General Chemistry I (+Lab)	4	CHM2045+I	General Chemistry I (+Lab)	4
	Principles of Biology I (+Lab)	4		Biology I (+Lab)	4
	ences General Education				
000,0,00	Social Science General Education	3		Social Science General Education	3
	Core Course	J		Core Course	Ü
	Social Science General Education	3		Social Science General Education	3
	Core or Non-Core*			Core or Breadth	
General Ed	lucation Electives				
GLY1010+L	. Physical Geology (+Lab)	4	GLY2010+L	Physical Geology (+Lab)	4
	Foreign Language II or	3		Foreign Language II or	3
	General Education Elective			General Education Elective	
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
	L General Chemistry II (+Lab)	4		LGeneral Chemistry II (+Lab)	4
BSC1011+L	Principles of Biological Diversity (+L	.ab)		Biology II (+Lab)	
or		4	or		4
	_ General Botany (+Lab)	5		General Botany (+Lab)	
	L Physics I with Calculus (+Lab)	5	I	_ Calculus-Based Physics I (+Lab)	1
<i>Of</i> DHV1∩53±I	L General Physics I (+Lab)	4	0 <i>r</i>	Algebra-Based Physics I (+Lab)	4
F1111055+1	Foreign Language I or Elective	3	PHIZOSSTL	Foreign Language I or	3
	1 Oldigit Latiguage For Liective	3		Lower Division Elective	3
<b>Total Colle</b>	ege Credit Hours	60+	Total Colle	ge Credit Hours	60+

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**.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Interdisciplinary Sciences, BS**

**COMPUTER SCIENCE AND EARTH & ENVIRONMENTAL SCIENCE TRACK** 



#### **SUWF** Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sc.	iences General Education				
CHM1045+I	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 Scie	nces 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 Ed	lucation Electives				
BSC1011+L	Principles of Biological Diversity (+La	ab) 4	BSC2011+L	Biology II (+Lab)	4
	Foreign Language II or	3		Foreign Language II or	3
	General Education Elective			General Education Elective	
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
	L General Chemistry II (+Lab)	4		L General Chemistry II (+Lab)	4
	Physical Geology (+Lab)	4		Physical Geology (+Lab)	4
COPxxxx	Intro to Programming in ADA, C, C++, Pascal, or equivalent	3	COPxxxx	C++, Pascal, or equivalent	3
or	L Physics I with Calculus (+Lab)	5	or	_ Calculus-Based Physics I (+Lab)	4
PHY1053+I	_ General Physics I (+Lab)	4	PHY2053+L	_ Algebra-Based Physics I (+Lab)	
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total Colle	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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**.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# Marine Biology, BS

### PSC PSC Course

### **%∪WF Equivalent UWF Course**

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Course #	Course Title	CC	Course #	Course Title	CC
Communica	ations 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
Mathematic	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sci	ences 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 Scien	nces 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 Ed	ucation 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
	General Chemistry II (+Lab)	4		General Chemistry II (+Lab)	4
CHM2211+L	. Organic Chemistry I (+Lab) Organic Chemistry II (+Lab)		CHM2211+L	Organic Chemistry I (+Lab) Organic Chemistry II (+Lab)	
<b>or</b>	Caranal Dharias I (II als)	8	Or DUV20E7.1	Alexahara Danad Dharaina I (1)	8
	. General Physics I (+Lab) . General Physics II (+Lab)			. Algebra-Based Physics I (+Lab) . Algebra-Based Physics II (+Lab)	
PH 1 1054+L	Foreign Language I or Elective	3	PD12054+L	Foreign Language I or	3
	i oreign Language For Liective	J		Lower Division Elective	J
Total Colle	ge Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# Mathematics, BS

#### PSC PSC Course

### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	cations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanitie.	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sc	iences 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 Scie	ences 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 Ed	ducation 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 MAC2312	Analytic Geometry and Calculus I Analytic Geometry and Calculus II	4	MAC2311 MAC2312	Analytic Geometry and Calculus I 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 Colle	ege Credit Hours	60	Total Colle	ge Credit Hours	60

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Mathematics Teaching, BA**

#### PSC PSC Course

### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	cations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanitie.	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sc	iences 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 Scie	ences 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 Ed	ducation 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 MAC2312	Analytic Geometry and Calculus I Analytic Geometry and Calculus II	4 4	MAC2311 MAC2312	Analytic Geometry and Calculus I 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 Colle	ege Credit Hours	60	Total Colle	ege Credit Hours	60

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# Mechanical Engineering, BSME

#### PSC PSC Course

#### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations 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
Mathematic	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sci	ences General Education*				
CHM1045+I	General Chemistry I (+Lab)  Natural Science General Education  Core or Non-Core	4 3	CHM2045+L	General Chemistry I (+Lab)  Natural Science General Education  Core or Breadth	4
Social Scie	nces 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 Ed	lucation 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
	_ Physics I with Calculus (+Lab)	5		Calculus-Based Physics I (+Lab)	4
	_ Physics II with Calculus (+Lab)	5		Calculus-Based Physics II (+Lab)	4
MAP2302	•	3	MAP2302	Differential Equations	3
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total Colle	ge Credit Hours	60	Total Colle	ge Credit Hours	60

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# Physics, BA

### PSC PSC Course

#### **Solution Solution Solution**

				-	
Course #	Course Title	СС	Course #	Course Title	СС
Communic	cations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanitie	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sc	iences General Education*				
CHM1045+	L General Chemistry I (+Lab) Natural Science General Education Core or Non-Core	4	CHM2045+l	General Chemistry I (+Lab)  Natural Science General Education  Core or Breadth	4 3
Social Scie	ences 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 Ed	ducation 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
	L Physics I with Calculus (+Lab)	5		_ Calculus-Based Physics I (+Lab)	4
PHY2049+	L Physics II with Calculus (+Lab) Foreign Language I or Elective	5 3	PHY2049+I	Calculus-Based Physics II (+Lab) Foreign Language I or Lower Division Elective	3
Total Colle	ege Credit Hours	60+	Total Colle	ge Credit Hours	60+

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**.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Physics Teaching, BA**

#### PSC PSC Course

#### **SOLUMN Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sc.	iences General Education*				
CHM1045+	L General Chemistry I (+Lab)  Natural Science General Education Core or Non-Core	4 3	CHM2045+I	General Chemistry I (+Lab)  Natural Science General Education  Core or Breadth	4
Social Scie	ences 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 Ed	lucation Electives				
CMH1046+	L General Chemistry II (+Lab)	4	CHM2046+I	General Chemistry II (+Lab)	4
	Foreign Language II or General Education Elective	3		Foreign Language II or General Education Elective	3
Electives					
MAC1114 MAC2311	Plane Trigonometry Analytic Geometry and Calculus I	3 4	MAC1114 MAC2311	Trigonometry Analytic Geometry and Calculus I	3 4
MAC2311	Analytic Geometry and Calculus II	4	MAC2311	Analytic Geometry and Calculus I	4
	L Physics I with Calculus (+Lab)	5		L Calculus-Based Physics I (+Lab)	4
	L Physics II with Calculus (+Lab)	5		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 Colle	ege Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# Physics, BS

### PSC PSC Course

#### **SUMF** Equivalent UWF Course

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanities	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sc.	iences General Education*				
CHM1045+	L General Chemistry I (+Lab)  Natural Science General Education Core or Non-Core	4 3	CHM2045+l	General Chemistry I (+Lab)  Natural Science General Education  Core or Breadth	4 3
Social Scie	ences 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 Ed	ducation Electives				
CMH1046+	L General Chemistry II (+Lab) Foreign Language II or General Education Elective	4 3	CHM2046+l	General Chemistry II (+Lab) Foreign Language II or General Education Elective	4 3
Electives					
	Plane Trigonometry Analytic Geometry and Calculus I Analytic Geometry and Calculus II L Physics I with Calculus (+Lab) L Physics II with Calculus (+Lab)	3 4 4 5 5		Trigonometry Analytic Geometry and Calculus I Analytic Geometry and Calculus II Calculus-Based Physics I (+Lab) Calculus-Based Physics II (+Lab)	3 4 4 4 4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
<b>Total Colle</b>	ege Credit Hours	60+	Total Colle	ge Credit Hours	60+

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**.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# **Engineering Physics, BS**

#### PSC PSC Course

### **WF Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations General Education				
ENC1101	English Composition I	3	ENC1101	English Composition I	3
ENC1102	English Composition II	3	ENC1102	English Composition II	3
Humanitie	s 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
Mathemati	ics General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
MAC1140	Precalculus Algebra	3	MAC1140	Precalculus Algebra	3
Natural Sc	iences General Education*				
CHM1045+	L General Chemistry I (+Lab)	4	CHM2045+I	_General Chemistry I (+Lab)	4
	Natural Science General Education Core or Non-Core	3		Natural Science General Education Core or Breadth	3
Social Scie	ences 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 Ed	ducation Electives				
CMH1046+	L General Chemistry II (+Lab) Foreign Language II or General Education Elective	4 3	CHM2046+I	L General Chemistry II (+Lab) Foreign Language II or General Education Elective	4 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
	L Physics I with Calculus (+Lab)	5		L Calculus-Based Physics I (+Lab)	4
PHY2049+	L Physics II with Calculus (+Lab)	5	PHY2049+I	L Calculus-Based Physics II (+Lab)	4
	Foreign Language I or Elective	3		Foreign Language I or Lower Division Elective	3
Total Colle	ege Credit Hours	60+	Total Colle	ge Credit Hours	60+

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.

<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.

# Software Development, BS

#### PSC PSC Course

#### **SOURT Equivalent UWF Course**

Course #	Course Title	CC	Course #	Course Title	CC
Communic	ations 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
Mathemati	cs General Education				
MAC1105	College Algebra	3	MAC1105	College Algebra	3
STA2023	Elementary Statistics	3	STA2023	Elements of Statistics	3
Natural Sci	ences 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 Scie	nces 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 Ed	lucation Electives				
MAC2233	Calculus with Business Applications I Foreign Language II or General Education Elective	3	MAC2233	Calculus with Business Applications 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	
CGS1570	Computer Concepts and Applications		CGS2570	Personal Computer Applications	3
COP2800	Java Programming	3	COP2253	Programming Using Java	3
COP2224 CIS2530	C++ Programming Introduction to Cybersecurity	3	COP2334 CIS2530	Programming Using C++ Introduction to Cybersecurity	3
CI32330	Foreign Language I or Elective	3	CI32330	Foreign Language I or	3
	1 or origin Euriguage For Liective	5		Lower Division Elective	5
Total Colle	ge Credit Hours	60	Total Colle	ge Credit Hours	60

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.

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<sup>\*</sup> 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.

<sup>\*\*</sup> AMH2010, AMH2020, or POS2041 is required if the Civic Literacy Competency is not met.