

California Institute of Arts & Technology AAS in Computer Information Systems - Networking Concentration to Excelsior College BPS in Technology Management

Revision: August 2018

This program plan outlines how students can transfer from the **California Institute of Arts & Technology AAS in Computer Information Systems - Networking Concentration** program to the **Excelsior College BPS in Technology Management** program. Upon completion of the **AAS in Computer Information Systems - Networking Concentration**, the following credits will apply for students enrolling in the **BPS in Technology Management** program. **(IT area of focus)**

California Institute of Arts & Technology Credits	Semester Hours	Excelsior College Requirements	Semester Hours
ENG-100 College Reading and Composition, ENG-101 English Composition, ENG-150 Oral Communication Skills or ENG 201 Literature and the Art of the Narrative (minimum 2 courses)	6	Written English I / Humanities	6
MTH-101 Intermediate Algebra, MTH-105 College Algebra, MTH-110 Plane Geometry, MTH-120 Trigonometry, MTH-130 Statistics, MTH-150 Pre-Calculus, MTH-161 Calculus I, MTH-162 Calculus II, MTH-163 Calculus III, SCI-110 General Biology, SCI-130 Principles of Chemistry (minimum 2-3 courses)	8	Math Elective / Math Requirement	8
SBS-110 Introduction to Psychology, SBS-120 Sociology or SBS-130 History (minimum 1 course)	3	Social Science	3
101A Computer Hardware Fundamentals	4	technology area of focus	4
101B Computer Operating Systems	4	technology area of focus	4
102A Networking Fundamentals, Part 1	4	technology area of focus	4
120B Network Fundamentals, Part 2	4	technology area of focus	4
120 Network Security	4	Professional Elective	4
265 Installing and Configuring Microsoft Windows Server	4	Free Elective	4
266 Administering Microsoft Windows Server	4	Free Elective	4
267 Configuring Advanced Windows Server Services	4	Free elective	4
154 Configuring Windows Workstation, 246 Monitoring and Operating a Private Cloud, Configuring and Deploying a Private Cloud, 230A Installation and Configuration of Linux. Part 1 and 230B Installation and Configuration of Linux. Part 2, 220 Certified Ethical Hacker, 221 Advanced Network Security (CISSP), 222 Advanced Security Practitioner, 290 Network Virtualization, 270A Cisco Configuration, ICND 1 and 270B Cisco Configuration, ICND 2, 271 Implementing Cisco IOS Network Security, 272 Implementing Cisco IP Routing, 273 Implementing Cisco IP Switched Networks or 274 Troubleshooting and Maintaining Cisco IP networks (minimum 8 courses)	24	Professional Electives	24
Total Credits Required for Associate	73	Total Credits Accepted from Associate	73

* Excelsior College requires Math courses at the level of College Algebra or above. The Information Technology program includes a Statistics requirement. Depending on what the student takes at their home institution, they will need the other requirement for Excelsior College.

Credits Beyond The Associate That Can Be Transferred OR Taken At Excelsior

California Institute of Arts & Technology Credits	Semester Hours	Excelsior College Requirements
ASD 102 Object Oriented Programming with C ++	4	Computer Applications
Natural Science	3	Natural Science
Total Additional Credits	7	

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Credits To Be Taken At Excelsior College *		
Excelsior College Requirements		Semester Hours
INL 102: Information Literacy		1
ENG 102: Composition II		3
BUS 323: Business Ethics		3
upper level arts and science electives		6
BUS 341 : General Management		3
BUS 452: Business Leadership		3
ACC 211: Accounting		3
IT 390 : Project Management		3
TECH 230 : Technology and Society		3
TECH 330: Economic Analysis for Technologists		3
TECH 340: Introduction to Energy Utilization		3
Upper level free electives		3
TECH 490: Capstone		3
<i>NOTE: The Capstone MUST be completed at Excelsior</i>		
Total Credits		40

* The above credits (with the exception of the **Capstone** course) may also be transferred in or taken at another 4-year regionally accredited institution.

Evaluation Summary	Semester Hours
Credits Accepted from Associate Degree	73
Additional Credits beyond the Associate Degree	7
Credits from Excelsior *	40
Total Credits Required for Bachelor's Degree	120

* Students are required to take a minimum of **12.00 online course credits** from Excelsior to qualify for partner pricing.

NOTE: Excelsior College reviews every student individually and this guide is just a sample scenario. Actual requirements will be dependent on the courses a student transfers to Excelsior.

What are Arts and Sciences?

We offer the following definitions to help you make these determinations. Remember, however, that before you pay to take a course or examination you should always consult with your advisor to make sure that it will help meet your degree requirements.

Humanities

Humanities subjects focus on developing knowledge and skills in critical reading, logical thought, and esthetic appreciation. Here are some subject areas typically classified as Humanities:

Art, Philosophy, Music, Foreign Language, Literature, Theater, Ethics, Speech, Religion, Communication

Social Sciences and History

Social Sciences and History subjects focus on individuals and society and the processes individuals use to order their world. Here are some subject areas typically classified as Social Sciences and History:

Psychology, Economics, Sociology, Geography, Political Science, History, Anthropology

Natural Sciences and Mathematics

Natural Sciences and Mathematics subjects focus on understanding the natural world and problem-solving processes. Here are some subject areas typically classified as Natural Sciences and Mathematics:

Anatomy and Physiology, College Algebra, Microbiology, Calculus, Chemistry, Genetics, Biology, Physics

Revision: August 2018

This program plan outlines how students can transfer from the **California Institute of Arts & Technology AAS in Software Development** program to the **Excelsior College BPS in Technology Management** program. Upon completion of the **AAS in Software Development**, the following credits will apply for students enrolling in the **BPS in Technology Management** program. **(IT area of focus)**

California Institute of Arts & Technology Credits	Semester Hours	Excelsior College Requirements	Semester Hours
ENG-100 College Reading and Composition, ENG-101 English Composition, ENG-150 Oral Communication Skills or ENG 201 Literature and the Art of the Narrative (minimum 2 courses)	6	Written English / Humanities	6
MTH-101 Intermediate Algebra, MTH-105 College Algebra, MTH-110 Plane Geometry, MTH-120 Trigonometry, MTH-130 Statistics, MTH-150 Pre-Calculus, MTH-161 Calculus I, MTH-162 Calculus II, MTH-163 Calculus III, SCI-110 General Biology, SCI-130 Principles of Chemistry (minimum 2 courses)	6	Math Elective /Math requirement	6
SBS-110 Introduction to Psychology, SBS-120 Sociology or SBS-130 History (minimum 1 course)	3	Social Science	3
ASD101 The Fundamentals of Software Design	4	Technology area of focus	4
ASD102 Object-Oriented Programming with C++	4	Computer Applications	4
ASD103 Relational Database Management Systems and SQL	4	Technology Area of Focus	4
ASD 150 Operating System Concepts	4	Technology Area of Focus	4
ASD170 Front-End Development with HTML, CSS, and JavaScript	4	Technology Area of Focus	4
ASD190 Internet Architecture with HTTP and REST	4	Professional Elective	4
ASD210 Python Fundamentals and Best Practices, ASD215 C# Business Programming, ASD220 Linux Administration and Shell Scripting, ASD225 Windows Development and Administration, ASD227 iOS Programming with Objective-C and Swift, ASD230 Open Source Servers, ASD235 SQL Server and T-SQL, ASD247 Android App Development with Java, ASD255 Web Development with ASP.NET MVC, ASD260 MEAN Stack Development, ASD265 Cloud Computing with Microsoft Azure, ASD267 Virtual Reality with Google Cardboard and Unity, ASD277 Embedded Computers and the Internet of Things, ASD280 Django Framework, ASD290 Ruby on Rails Framework, ASD295 Augmented Reality with Microsoft HoloLens (minimum 6 courses)	24	Professional Elective / Free Electives	24
Total Credits Required for Associate	63	Total Credits Accepted from Associate	63

* Excelsior College requires Math courses at the level of College Algebra or above. The Information Technology program includes a Statistics requirement. Depending on what the student takes at their home institution, they will need the other requirement for Excelsior College.

Credits Beyond The Associate That Can Be Transferred OR Taken At Excelsior

California Institute of Arts & Technology Credits	Semester Hours	Excelsior College Requirements
Natural Sciences	3	Natural Sciences
Free Electives	14	Free Electives
Total Additional Credits	17	

* Excelsior College requires Math courses at the level of College Algebra or above. The Information Technology program includes a Statistics requirement. Depending on what the student takes at their home institution, they will need the other requirement for Excelsior College.

Credits To Be Taken At Excelsior College *		
Excelsior College Requirements		Semester Hours
INL 102: Information Literacy		1
ENG 102 : Composition II		3
BUS 323 * Business Ethics		3
Upper level arts and science electives (social science/humanities)		6
BUS 341: General Management		3
BUS 452 : Business Leadership		3
ACC 211: Accounting		3
IT 390 : Project Management		3
TECH 230 : Technology and Society		3
TECH 330: Economic Analysis for Technologists		3
TECH 340: Introduction to Energy Utilization		3
Upper Level Free Electives (Choose a concentration area)		3
TECH 490: Capstone <i>NOTE: The Capstone MUST be completed at Excelsior</i>		3
Total Credits		40

* The above credits (with the exception of the **Capstone** course) may also be transferred in or taken at another 4-year regionally accredited institution.

Evaluation Summary	Semester Hours
Credits Accepted from Associate Degree	63
Additional Credits beyond the Associate Degree	17
Credits from Excelsior *	40
Total Credits Required for Bachelor's Degree	120

* Students are required to take a minimum of **12.00 online course credits** from Excelsior to qualify for partner pricing.

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What are Arts and Sciences?

We offer the following definitions to help you make these determinations. Remember, however, that before you pay to take a course or examination you should always consult with your advisor to make sure that it will help meet your degree requirements.

Humanities

Humanities subjects focus on developing knowledge and skills in critical reading, logical thought, and esthetic appreciation. Here are some subject areas typically classified as Humanities:

Art, Philosophy, Music, Foreign Language, Literature, Theater, Ethics, Speech, Religion, Communication

Social Sciences and History

Social Sciences and History subjects focus on individuals and society and the processes individuals use to order their world. Here are some subject areas typically classified as Social Sciences and History:

Psychology, Economics, Sociology, Geography, Political Science, History, Anthropology

Natural Sciences and Mathematics

Natural Sciences and Mathematics subjects focus on understanding the natural world and problem-solving processes. Here are some subject areas typically classified as Natural Sciences and Mathematics:

Anatomy and Physiology, College Algebra, Microbiology, Calculus, Chemistry, Genetics, Biology, Physics

Revision: August 2018

This program plan outlines how students can transfer from the **California Institute of Arts & Technology AAS in Software Development** program to the **Excelsior College BS in IT (general concentration)** program. Upon completion of the **AAS in Software Development**, the following credits will apply for students enrolling in the **BS in IT (general concentration)**.

California Institute of Arts & Technology Credits	Semester Hours	Excelsior College Requirements	Semester Hours
ENG-100 College Reading and Composition, ENG-101 English Composition, ENG-150 Oral Communication Skills or ENG 201 Literature and the Art of the Narrative (minimum 2 courses)	6	Written English / Communications	6
MTH-101 Intermediate Algebra, MTH-105 College Algebra, MTH-110 Plane Geometry, MTH-120 Trigonometry, MTH-130 Statistics, MTH-150 Pre-Calculus, MTH-161 Calculus I, MTH-162 Calculus II, MTH-163 Calculus III, SCI-110 General Biology, SCI-130 Principles of Chemistry (minimum 2 courses)	6	Math Elective / Additional Math	6
SBS-110 Introduction to Psychology, SBS-120 Sociology or SBS-130 History (minimum 1 course)	3	Social Science	3
ASD101 The Fundamentals of Software Design	4	Free Elective	4
ASD102 Object-Oriented Programming with C++	4	Object Oriented Programming	4
ASD103 Relational Database Management Systems and SQL	4	Database Concepts	4
ASD 150 Operating System Concepts	4	Technology Elective	4
ASD170 Front-End Development with HTML, CSS, and JavaScript	4	Web Design and Development	4
ASD190 Internet Architecture with HTTP and REST	4	Technology Elective	4
ASD210 Python Fundamentals and Best Practices, ASD215 C# Business Programming, ASD220 Linux Administration and Shell Scripting, ASD225 Windows Development and Administration, ASD227 iOS Programming with Objective-C and Swift, ASD230 Open Source Servers, ASD235 SQL Server and T-SQL, ASD247 Android App Development with Java, ASD255 Web Development with ASP.NET MVC, ASD260 MEAN Stack Development, ASD265 Cloud Computing with Microsoft Azure, ASD267 Virtual Reality with Google Cardboard and Unity, ASD277 Embedded Computers and the Internet of Things, ASD280 Django Framework, ASD290 Ruby on Rails Framework, ASD295 Augmented Reality with Microsoft HoloLens (minimum 6 courses)	24	8 free electives, 8 Technology electives (ASD 210 and ASD 230) and Operating Systems (ASD 220)	19
Total Credits Required for Associate	63	Total Credits Accepted from Associate	58

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Credits Beyond The Associate That Can Be Transferred OR Taken At Excelsior

California Institute of Arts & Technology Credits	Semester Hours	Excelsior College Requirements
Natural Science	3	Natural Science
Social Science	6	Social Science
Humanities	3	Humanities
Total Additional Credits	9	

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Credits To Be Taken At Excelsior College *	
Excelsior College Requirements	Semester Hours
INL 102: Information Literacy	1
BUS 323: Business Ethics	3
TECH 205: Discrete Structures	3
IT 321: Computer Systems Architecture	3
IT 380: Overview of Computer Security	3
IT 390: Project Management	3
IT 375: Human Computer Interaction	3
IT 495: Integrated Technology Assessment	3
IT 250 : Business Data Communications	3
Arts and Science Electives	25
ENG 102: English Composition II	3
Total Credits	53

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Evaluation Summary	Semester Hours
Credits Accepted from Associate Degree	58
Additional Credits beyond the Associate Degree	9
Credits from Excelsior *	53
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120 Network Security	4	Professional Elective	4
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Total Additional Credits	7	

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ENG 102: Composition II		3
BUS 323: Business Ethics		3
upper level arts and science electives		6
BUS 341 : General Management		3
BUS 452: Business Leadership		3
ACC 211: Accounting		3
IT 390 : Project Management		3
TECH 230 : Technology and Society		3
TECH 330: Economic Analysis for Technologists		3
TECH 340: Introduction to Energy Utilization		3
Upper level free electives		3
TECH 490: Capstone		3
<i>NOTE: The Capstone MUST be completed at Excelsior</i>		
Total Credits		40

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