

Portland Community College
Associate of Applied Science in Computer Information Systems

to

Oregon Institute of Technology's
Bachelor of Science in Information Technology, Applications Development Option
2006-2007 Catalog

It is agreed that students transferring from Portland Community College's Computer Information Systems program to Oregon Institute of Technology's Information Technology Bachelor of Science will be given full credit for all selected courses listed below. This agreement is based on the evaluation of the rigor and content of the general education and technical courses at both Portland Community College and OIT and is subject to a yearly reevaluation by both schools for continuance. This agreement is dated May 9, 2007.

Baccalaureate students at OIT must complete a minimum of 60 credits of upper-division work before a degree will be awarded. Upper-division is defined as 300 and 400-level classes at a bachelor's degree-granting institution. Baccalaureate students at OIT must complete 45 credits from OIT before a degree will be awarded.

Transfer students may guarantee their catalog of graduation by obtaining written approval from their OIT major department and the Registrar. The agreed upon catalog will be the one a student uses when he/she transfers to OIT. Students must enroll at OIT within two years of this approval.

Technical Courses

Portland Community College Course Number & Title	Qtr Units	Oregon Institute of Technology Course Number & Title	Qtr Units
CIS/CS Elective	16	Elective	16
CIS 120 - Computer Concepts I	4	Technical Elective	4
CIS 121 - Computer Concepts II	4	Technical Elective	4
CIS 122 - Software Design	4	Technical Elective	4
CIS 125D Database Applications Development I (CS/CIS Elective)	4	MIS 113 Introduction to Relational Databases Elective	3 1
CIS 133B Introduction to Visual Basic .NET Programming (CS/CIS Elective)	4	MIS 115 Visual BASIC Programming	4
CS/CIS 140 – Operating Systems	4	Technical Elective	4
CIS 179– Data Communication Concepts I	4	MIS 325 Computer Networks I	4
CIS 233B Intermediate Visual Basic .NET Programming	4	MIS 215 Business Application Programming	4
CIS 275 Data Modeling and SQL	4	MIS 313 Relational Database Systems	4
CIS 244 Structured Systems Analysis	4	MIS 312 Systems Analysis	4
CS 261 Programming Systems (CS/CIS Elective)	4	CST 136 Object Oriented Programming with C++	4
Programming Elective: CS 161 Computer Science I	4	CST 116 C++ Programming I	4

CS 162 Computer Science II	4	CST 126 C++ Programming II	4
Total Credits	68	Total Credits ¹	68

- OIT will accept all credits. However, only 52 credits will apply towards the Information Technology Degree

General Education Courses

Portland Community College Course Number & Title	Qtr Units	Oregon Institute of Technology Course Number & Title	Qtr Units
Business Elective ² (choose from list in PCC catalog)	6	Business Elective	6
General Education Elective ³	16	Humanities Elective	9
		MATH 111 College Algebra	4
		Social Science	3
WR121 English Composition	4	WRI 121 English Composition Elective	3 1
WR 227 Technical Writing	4	WRI 227 Technical Report Writing Elective	3 1
Additional Credits	30	Additional Credits	30
Total Accumulated Credits	98	Total Accumulated Credits	98

- This requirement can be fulfilled with BA 211 and BA 212 and will apply towards OIT's Information Technology Degree.
- The 16 credits must include at least one course and no more than 8 credits from each of the following 3 categories: Arts and Humanities, Social Science, and Mathematics, Natural and Physical Sciences, and Computer Studies.

Courses not required for PCC's Computer Information Systems Program but required for OIT's Information Technology, Applications Development Option Program Can be taken at PCC or OIT

Portland Community College Course Number & Title	Qtr Units	Oregon Institute of Technology Course Number & Title	Qtr Units
BA 206 Principles of Management	3	BUS 215 Principles of Management	3
BA 213 Principles of Accounting III	3	ACC 203 Principles of Managerial Accounting	4
CIS/CS Elective	1		
CIS 276 Advanced SQL	4	MIS 335 Database Programming	4
CIS 277O Advanced Database Concepts in Oracle	4	MIS 331 Introduction to Oracle DBMS and PL/SQL	4
EC 201 Principles of Economics: Microeconomics	4	ECO 201N Principles of Economics, Microeconomics	3
		Social Science Elective	1
EC 202 Principles of Economics: Macroeconomics	4	ECO 202N Principles of Economics, Macroeconomics	3
		Social Science Elective	1
Lab Science Elective	4	Lab Science Elective	4

MTH 231 Elements of Discrete Math I	4	MATH 327 Discrete Mathematics	4
MTH 251 Calculus I	4	MATH 371 Finite Mathematics and Calculus I	4
Math/Science/Social Science	13	Math/Science/Social Science	13
PSY 201 Psychology	4	PSY 201 Psychology Social Science Elective	3 1
SP 111 Fundamentals of Speech	4	SPE 111 Fundamentals of Speech Communications Elective	3 1
SP 215 Small Group Communication: Process and Theory	4	SPE 321 Small Group and Team Communication Communication Elective	3 1
WR 122 English Composition	4	WRI 122 English Composition Communications Elective	3 1
Additional Credits	64	Additional Credits ⁴	64
Total Accumulated Credits	162	Total Accumulated Credits ⁵	162

4. OIT will accept all credits from PCC. However, only 138 credits will apply towards OIT's Information Technology Degree.
5. Baccalaureate students must complete a minimum of 60 credits of upper-division work, before a degree will be awarded. Upper-division is defined as 300- and 400-level classes at a bachelor's degree granting institution. Baccalaureate students at OIT must complete 45 credits from OIT before a degree will be granted.

In addition to the above courses, the courses listed below are also required for the Bachelor of Science in Information Technology, Application Development Option and are offered only at OIT.

Oregon Institute of Technology Course Number & Title	Qtr Units
BUS 456 Business Research Methods	3
CST 130 Computer Organization	4
IMGT 345 Engineering Economy	3
MATH 361 Statistical Methods	4
MIS 206 Intro to MIS	3
MIS 256 Hardware/Software Integration	4
MIS 375 Decision Support Systems	3
MIS 457 Computer Networks II	4
MIS 495 Senior Project Proposal	1
MIS 496 Senior Project I	3

MIS 497 Senior Project II	3
MIS 498 Senior Project III	3
Upper Division Business Elective	3
WRI 327 Advanced Technical Wiring	3
<u>or</u>	<u>or</u>
WRI 350 Documentation Development	3
Additional Credits	44
Total Accumulated Credits	206