

Semester Course Content Equivalencies Handbook

Graduate Schools

Quarter to Semester Course Content Equivalencies Table: Graduate School of Computer and Information Science

Note: Changes made since initial posting are indicated in red highlighted text.

About This Section

This section of the handbook lists quarter courses together with their semester course content equivalents. The quarter courses are arranged alphabetically according to the two- or three-letter department code found in the course number (for example, "ECN" for "Economics").

How to Use This Section

For a detailed explanation of how to use this and other sections of the handbook, please see "How to Use This Handbook" at www.registrar.neu.edu/how2grad.pdf.

See Your Academic Adviser!

All students must have a complete transition plan made with and approved by an academic adviser. This handbook is designed to be used by students in conjunction with an academic adviser to plan completion of degree programs/majors under semesters. The handbook is not intended to replace academic advising but rather to supplement it. Similarly, the equivalency relationships in the handbook are not intended to replace transition plans made with an academic adviser.

Quarter Course(s)	Equivalent Semester Course(s)
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COM—Computer Science

COM 3105 Computer Applications (2 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3112 Lisp Lab (2 QH) *	CS G106 Lisp Lab (1 SH, Type A)
COM 3113 Fundamentals of Programming (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3116 C++ Lab (2 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3117 C/UNIX (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3118 Java Lab (2 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3150 Algorithms & Data Structures (4 QH)	CS G100 Data Structures (4 SH, Type A)
COM 3200 Computer Architecture (4 QH)	CS G180 Computer Architecture (4 SH, Type A)
COM 3205 Fundamentals of Software Eng'g (4 QH)	CS G110 Managing Software Development (4 SH, Type A)
COM 3220 Software Testing, Varifctn & Vald (4 QH)	CS G274 Found/Formal Methd SW Analysis (4 SH, Type A)

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Quarter Course(s)	Equivalent Semester Course(s)
COM 3230 Object Oriented Design (4 QH) <i>alone</i>	CS G272 Analysis of Software Artifacts (4 SH, Type A)
with COM 3240 Component-Based Programming (4 QH) *	CS G270 Methods of Software Developmnt (4 SH, Type A)
with COM 3360 Adaptive OO Software Develop (4 QH) *	CS G270 Methods of Software Developmnt (4 SH, Type A)
COM 3240 Component-Based Programming (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
with COM 3230 Object Oriented Design (4 QH) *	CS G270 Methods of Software Developmnt (4 SH, Type A)
COM 3301 Database Systems (4 QH)	CS G102 Database Management (4 SH, Type A)
COM 3315 Principles of Database Systems (4 QH)	CS G130 Intro to Database Systems (4 SH, Type A)
COM 3316 Transaction Processing Systems (4 QH)	CS G131 Impl of Database Mgmt Systems (4 SH, Type A)
COM 3317 Data Modeling (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3336 Operating Systems 1 (4 QH)	CS G112 Computer Systems (4 SH, Type A)
COM 3337 Distributed Operating Systems (4 QH)	CS G712 Intensive Computer Systems (4 SH, Type A)
COM 3338 Intensive Operating Systems (4 QH)	CS G712 Intensive Computer Systems (4 SH, Type A)
COM 3350 Theory of Computation (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
with COM 3710 Automata & Formal Languages (4 QH) *	CS G714 Theory of Computation (4 SH, Type A)
COM 3351 Princ of Programming Languages (4 QH)	CS G111 Principles of Programming Lang (4 SH, Type A)
COM 3352 Intensive Princ Program Lang (4 QH)	CS G711 Int Principle Programming Lang (4 SH, Type A)
COM 3355 Compiler Design (4 QH)	CS G262 Compilers (4 SH, Type A)
COM 3356 Optimizing Compilers (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3357 Semantics of Programming Langs (4 QH)	CS G264 Semantics of Programming Lang (4 SH, Type A)
COM 3360 Adaptive OO Software Develop (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
with COM 3362 Advanced Object-Oriented Systm (4 QH) *	CS G260 Advanced Software Development (4 SH, Type A)
with COM 3230 Object Oriented Design (4 QH) *	CS G270 Methods of Software Developmnt (4 SH, Type A)
COM 3362 Advanced Object-Oriented Systm (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
with COM 3360 Adaptive OO Software Develop (4 QH) *	CS G260 Advanced Software Development (4 SH, Type A)
COM 3364 Object-Oriented Databases (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3370 Computer Graphics (4 QH)	CS G140 Computer Graphics (4 SH, Type A)
COM 3371 Digital Image Processing (4 QH)	CS G142 Digital Image Processing (4 SH, Type A)
COM 3375 Human/Computer Interaction (4 QH)	CS G170 Computer/Human Interaction (4 SH, Type A)
COM 3390 Analysis of Algorithms (4 QH)	CS G113 Algorithms (4 SH, Type A)
COM 3391 Advanced Algorithms (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3392 Intensive Analysis Algorithms (4 QH)	CS G713 Advanced Algorithms (4 SH, Type A)
COM 3395 Distributed Algorithms (4 QH)	CS G290 Distributed Algorithms (4 SH, Type A)
COM 3410 Artfcl Intell Problem Solving (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
with COM 3411 Knowledge Based Systems (4 QH) *	CS G120 Fndtns Artificial Intellegence (4 SH, Type A)
COM 3411 Knowledge Based Systems (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
with COM 3410 Artfcl Intell Problem Solving (4 QH) *	CS G120 Fndtns Artificial Intellegence (4 SH, Type A)
with COM 3480 Machine Learn & Neural Networks (4 QH) *	CS G220 Machine Learning (4 SH, Type A)
COM 3420 Knowledge Representation (4 QH)	CS G222 Knowledge Based Systems (4 SH, Type A)
COM 3440 Natural Language Processing (4 QH)	CS G224 Natural Language Processing (4 SH, Type A)
COM 3450 Intelligent Pattern Recogniton (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
with COM 3470 Computer Vision (4 QH) *	CS G144 Pattern Recogn & Comput Vision (4 SH, Type A)
COM 3470 Computer Vision (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
with COM 3450 Intelligent Pattern Recogniton (4 QH) *	CS G144 Pattern Recogn & Comput Vision (4 SH, Type A)
COM 3480 Machine Learn & Neural Networks (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
with COM 3411 Knowledge Based Systems (4 QH) *	CS G220 Machine Learning (4 SH, Type A)
COM 3501 Computer Communication Network (4 QH)	CS G104 Computer Networks (4 SH, Type A)
COM 3510 Comp Networks: Thry, Model & Anlys (4 QH)	CS G150 Fundamentals - Computer Netwkg (4 SH, Type A)
COM 3515 Internetworkg Princ Protcls & Apps (4 QH)	CS G151 Principles of Internetworking (4 SH, Type A)

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COM 3520 Cryptography & Computer Security (4 QH)	CS G252 Cryptography & Comm Security (4 SH, Type A)
COM 3522 Network Security (4 QH)	CS G254 Network Security (4 SH, Type A)
COM 3525 Wireless Network (4 QH)	CS G250 Wireless Network (4 SH, Type A)
COM 3530 Integrated Services Networks (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3560 Parallel & Distributed DB Sys (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3620 Parallel Arch & Algorithms (4 QH)	CS G280 Parallel Computing (4 SH, Type A)
COM 3640 Parallel Algorithms (4 QH)	CS G280 Parallel Computing (4 SH, Type A)
COM 3710 Automata & Formal Languages (4 QH) <i>alone</i>	<i>No semester equivalent. Converts to departmental credit.</i>
<i>with</i> COM 3350 Theory of Computation (4 QH)	CS G714 Theory of Computation (4 SH, Type A)
COM 3800 Readings in Computer Science (4 QH)	CS G664 Readings/Research (4 SH, Type F)
COM 3805 Readings in Computer Science (2 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3810 Special Topics Computer Sci (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3820 Master's Thesis (4 QH)	CS G684 Thesis (4 SH, Type F)
COM 3821 Master's Continuation (4 QH) *	CS G699 Thesis Continuation (0 SH, Type F)
COM 3830 Computer Science Master's Proj (4 QH)	CS G674 Master's Project (4 SH, Type F)
COM 3840 Seminar in Computer Science (4 QH)	<i>No semester equivalent. Converts to departmental credit.</i>
COM 3841 PhD Seminar (1 QH)	CS G719 Research Overview of Comp Sci (1 SH, Type D)
COM 3850 Advanced Readings in Comp Sci (4 QH)	CS G864 Readings/Research (4 SH, Type F)
COM 3890 PhD Dissertation (0 QH)	CS G894 Dissertation (4 SH, Type A)
COM 3891 PhD Continuation (0 QH)	CS G899 Dissertation Continuation (0 SH, Type A)

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