

**TRANSFER AGREEMENT  
BETWEEN  
SCHOOL OF INFORMATION STUDIES AT UNIVERSITY OF WISCONSIN –  
MILWAUKEE  
AND  
MORAINÉ PARK TECHNICAL COLLEGE (MPTC)**

**Program to Program Articulation Agreement**

MPTC ADVANCED TECHNICAL CERTIFICATES:      **1) Computer Information Security  
2) Multimedia for the Web  
3) Web Programming**

SCHOOL OF INFORMATION STUDIES AT  
UNIVERSITY OF WISCONSIN – MILWAUKEE:  
(SOIS at UWM)

**B.S. in Information Resources**

RATIONALE:

**Computer Information Security Advanced Technical Certificate:** The Computer Information Security Advanced Technical Certificate addresses today's needs in security policy development, implementation techniques, intrusion detection and prevention, vulnerabilities, encryption, authentication, compromised networks, and tools to address these topics. Students learn to recognize network attacks, identify intrusion methods, prevent network attacks, respond to network attacks, and use security tools.

**Multimedia for the Web Advanced Technical Certificate:** The Multimedia for the Web Advanced Technical Certificate is designed for Web developers and those working with Web development in business and industry that wish to expand and enhance their skills with multimedia applications, software and applied techniques. Learners gain and strengthen their multimedia development skills for use in Web applications in order to expand their employability options. Learners engage in work with vector graphics, digital cameras, digital video cameras, digital multimedia production, streaming media and servers, and advanced Flash techniques.

**Web Programming Advanced Technical Certificate:** The Web Programming Advanced Technical Certificate is designed for Web developers and those working with Web development in business and industry who wish to expand and enhance their skills in working with a

wide variety of Web programming languages and the application of those languages in Web development. Learners will engage in developing Web applications by making use of client-side/server-side programming languages such as Perl and PHP, ASP and Web Services, Advanced Java, and connecting to enterprise database solutions through programming.

SOIS at UWM offers a Bachelors of Science Degree in Information Resources (BSIR). This allows students to add upper-division Information Resources, Interdisciplinary/cross-functional, and Liberal Arts courses to their advanced technical certificate(s). The cutting-edge Bachelor of Science in Information Resources (BSIR) provides students with a quality interdisciplinary and cross-functional education, giving them an understanding of how information is sought, organized, manipulated, repackaged, and applied in a variety of settings. Building on a general undergraduate education, the BSIR introduces issues related to information science, information architecture, human factors in information seeking and use, information storage and retrieval, and applications of the internet.

Students earning the **Computer Information Security, Multimedia for the Web, and/or Web Programming advanced technical certificates** from MPTC will be able to transfer the credits listed in Table 1 toward the Bachelor of Science in Information Resources (BSIR) in the School of Information Studies (SOIS) at University of Wisconsin – Milwaukee (UWM).

The BSIR program includes a total of 120 credits. These credits are distributed in the following areas:

- Area I: UWM Distribution Requirements -- General Education (21 credits)
- Area II: BSIR Core Courses (36 credits)
- Area III: BSIR Cross-functional Electives (15 credits)
- Area IV: General Electives, including Cognate Areas of Study (48 credits)

SOIS/UWM will accept the credits from MPTC and apply them toward graduation with a BS degree in Information Resources. Table 1 details exact equivalencies for MPTC and SOIS/UWM.

**Table 1: Exact Course Equivalencies for MPTC -- Advanced Technical Certificates  
UWM/SOIS Bachelor of Science in Information Resources**

**Computer Information Security Advanced Technical Certificate**

		<b>CR</b>	<b>UWM/SOIS BSIR Program</b>	<b>CR</b>
<b>BSIR Area IV -- Elective/Cognate</b>				
107-103	Information Security Implementation and Standards	2	Elective/Cognate	2
107-104	Network Attacks and TCP/IP, Introduction to	3	Elective/Cognate	3
107-105	Intrusion Detection Systems, Countermeasures and PKI	3	Elective/Cognate	3
<b>TOTAL Area IV</b>				<b>8</b>

**Multimedia for the Web Advanced Technical Certificate**

		<b>CR</b>	<b>UWM/SOIS BSIR Program</b>	<b>CR</b>
<b>BSIR Area IV -- Elective/Cognate</b>				
152-131	Flash, Advanced	3	Elective/Cognate	3
152-132	Multimedia Production	3	Elective/Cognate	3
152-133	Web Casting and Streaming Media	3	Elective/Cognate	3
<b>TOTAL Area IV</b>				<b>9</b>

**Web Programming Advanced Technical Certificate**

		<b>CR</b>	<b>UWM/SOIS BSIR Program</b>	<b>CR</b>
<b>BSIR Area IV -- Elective/Cognate</b>				
152-101	CGI Programming with Perl and PHP	3	Elective/Cognate	3
152-102	Net-Web Services and Programming	3	Elective/Cognate	3
154-145	Web-Based Database Design and Development	3	Elective/Cognate	3
<b>TOTAL Area IV</b>				<b>9</b>

All courses transferring from MPTC with an equivalent course at SOIS/UWM must transfer in with at least a “C” grade.

This agreement is approved under the guidelines of the UW System transfer policy that limits the number of credits transferable from a two-year college to 72.

The UW-Milwaukee baccalaureate candidate must also meet the General Education Requirements and Cultural Diversity Requirement of the University.

Program-to-program transfer courses/credits are accepted only for the program/degree specified in this agreement. A change of major/degree/program invalidates these courses/credits for transfer unless they are approved within some other Program-to-Program Articulation Agreement for a different major/degree/program at UW-Milwaukee.

Credits beyond the ones listed in Table 1 will be analyzed at the time the student starts the admissions process to see how they apply.

This agreement is effective as of April 30, 2004, and will remain in effect until either of the official representatives of Moraine Park Technical College or the School of Information Studies/University of Wisconsin – Milwaukee indicates in writing that the agreement is nullified. Equivalencies specified in this document are accurate as of April 30, 2004, and subject to change

in the event that the course curricula of either institution undergo revision. In the event of curriculum revision the school initiating the change has the responsibility to notify the other contracting institution.

**Signatures:**

\_\_\_\_\_ Date \_\_\_\_\_

Robert Greenstreet  
Interim Chancellor  
University of Wisconsin – Milwaukee

\_\_\_\_\_ Date \_\_\_\_\_

John Wanat  
Provost & Vice Chancellor  
University of Wisconsin – Milwaukee

\_\_\_\_\_ Date \_\_\_\_\_

Thomas Walker  
Interim Dean, School of Information Studies  
University of Wisconsin – Milwaukee

\_\_\_\_\_ Date \_\_\_\_\_

Alex Koohang  
Director of Undergraduate Program  
School of Information Studies  
University of Wisconsin – Milwaukee

\_\_\_\_\_ Date \_\_\_\_\_

John Shanahan  
President  
Moraine Park Technical College

\_\_\_\_\_ Date \_\_\_\_\_

Cindi Thiede  
Vice President  
Moraine Park Technical College

\_\_\_\_\_ Date \_\_\_\_\_