

## University of Maryland University College

**Curriculum Planning Sheet: A.A.S. in Information Technology (Web, Programming, or Database Option)**  
***Bachelor of Science in Computer Studies***

*This worksheet is designed to help you plan for your degree – it lists all of the graduation requirements. For full descriptions of courses and programs, please refer to the 2006-2007 Undergraduate Catalog.*

CCBC Course	CCBC Credits	UMUC Requirement	UMUC Credits	Notes
		<b>General Education Requirements (GERs)</b> <b>Total 41 s.h.</b>		Courses used for GERs may not be used to satisfy major requirements. Co-Op courses (numbered 486A or B) may not be used to satisfy GERs.
<u>ENGL101</u> <u>ENGL213/239</u>  <u>SPCM101</u> _____	____ <u>3</u> ____ ____ <u>3</u> ____  ____ <u>3</u> ____ _____	Communications (12 s.h.): <ul style="list-style-type: none"> <li>• ENGL 101 or equivalent</li> <li>• Other writing</li> <li>• Writing, speech, or communications</li> <li>• Upper-level intensive writing</li> </ul>	_____ _____  ____ <u>3UL</u> ____	No more than 3 s.h. in writing earned through credit by exam. <i>Other writing:</i> Any 3-credit COMM course (except 300, 380, 400, 486A, 486B, or 493); ENGL 102, 278F, 291, 294, 303, 391, 391X, 396, 480, 482, 483, 485, or 493; JOUR 201. <i>Writing/speech/communications:</i> Any COMM or SPCH course (except COMM 486A, 486B, SPCH 486A, 486B) or ENGL 102, 278F, 281, 281X, 291, 294, 303, 384, 391, 391X, 396, 480, 482, 483, 485, 493, and 498; JOUR 201. <i>UL writing:</i> choose from ENGL 303, 391, 391X, 396; COMM 390, 393, 393X, 394, 394X; LGST 401.
Social and Behavioral Course must be a <u>Diversity course</u> _____	____ <u>3</u> ____ _____	Social and Behavioral Sciences (6 s.h.) <b>*choice of POLS131, PSYC105, or SOCL141</b>	_____   ____ <u>3</u> ____	Choose from two areas: ANTH, BEHS, CCJS (105, 330, 350, 360, 432, 451, 452, 453, 454, or 461 only), ECON, GEOG, GERO (210, 220, 302, 304, or 415 only), GVPT, PSYC, SOCY.
<u>Art/Humanities</u> _____	____ <u>3</u> ____ _____	Arts and Humanities (6 s.h.)	_____   ____ <u>3</u> ____	Choose from two areas: ARTH, ARTT, HIST, HUMN, MUSC, PHIL, THET, dance, literature, foreign language.
<u>MATH125</u> _____	____ <u>3</u> ____ _____	Math (3 s.h.)	_____   ____ <u>3</u> ____	MATH 107 or higher ( <u>related requirement</u> for major).
<u>Lab Science</u>  <u>Non Lab Science</u> _____	____ <u>3</u> ____  ____ <u>1</u> ____ _____	Biological/Physical Sciences (7 s.h.)	_____   ____ <u>3</u> ____	<ul style="list-style-type: none"> <li>• One 3 s.h. lecture course plus 1 s.h. related lab course, or one 4 s.h. lecture/lab course.</li> <li>• Another 3 s.h. course.</li> </ul> Choose from ASTR, BCHM, BIOL, CHEM, GEOL, GNCS, MICB, NSCI, PHYS, biotechnology, botany,

				entomology, zoology.
_____	_____	Emerging Issues (7 s.h.): • Information literacy (1 s.h.) • Cross-curricular (6 s.h.) (international and civic responsibility)	<u>1</u> <u>3UL</u> <u>3UL</u>	<ul style="list-style-type: none"> <li>LIBS 100 or 150.</li> <li>Cross-curricular courses in international and civic responsibility (see catalog for eligible courses).</li> </ul>
		<b>Requirements for Major (30 s.h., 15 s.h. upper level, at least 6 s.h. in 400-level courses)</b>		<b>Computer Studies Major</b> Related requirements for the major that may be satisfied elsewhere are shown in GERs and electives.
<u>CINS101</u>	<u>3</u>	Introductory Course (3 s.h.)		Choose one course from CMIS 102, or IFSM 201.
_____	_____	Foundation Courses (6 s.h.)	<u>3</u> <u>3UL</u>	Choose two courses from CMIS 240, IFSM 300, 310.
_____	_____	Programming Language Course (3 s.h.)		Choose one from CMIS 140, CMST 305, IFSM 296, IFSM 307, or another approved programming language course.
_____	_____	Supplemental Major Courses (18 s.h.)	<u>3UL</u> <u>3UL</u> <u>3UL</u> <u>3UL</u>	Choose six courses from CMIS, CMIT, CMSC, CMST, IFSM. (Note the minimum requirement for upper-level coursework.)
_____	_____	<b>Minor Requirements (15 s.h.)</b> See requirements of individual minor. Minor is strongly recommended but optional. If no minor is selected, these credits are available for additional electives.		If a course required for the minor is used in the major, substitute another course in the same discipline. An upper-level course must be replaced by an upper-level course.
		<b>Remaining Cross-Curricular Initiative Requirement (3 s.h.)</b>  Historical	<u>3UL</u>	See list of eligible courses in catalog. If cross-curricular requirement is satisfied within the GERs, these credits are available as electives.
<u>MNGT101</u>	_____	<b>Electives and Related Requirements (31 s.h.)</b>  <i>*A maximum of 60 credits are eligible for transfer to UMUC. Please meet with an advisor if you will exceed 60 credits at CCBC.</i>	<u>3UL</u> <u>3UL</u> <u>3UL</u> <u>3UL</u> <u>3UL</u>	Choose additional electives to meet 120 s.h. for degree.  CCBC Course ELEN 141 was discontinued in 2004.

<b>New CCBC Required Courses 2007</b>	<b>Credits</b>	<b>Artsys Transferred UMUC Title</b>	<b>Artsys Transfer Credits</b>	<b>Notes</b>
<i>Core Program Requirements at CCBC (30 Credits Total)</i>				
<u>ENGL102</u> <u>ENGL213</u> <u>ACCT101</u> <u>EBUS101</u> <u>DCOM101</u> <u>DCOM258</u> <u>CINS111</u> <u>CINS142</u> <u>CINS225</u> <u>CINS234</u> <u>CINS231</u>		<u>ENGL "Writing Area"</u> <u>COMM 293</u> <u>ACCT 220</u> <u>BMGT 10*</u> <u>CMTR 10*</u> <u>IFSM 16*</u> <u>CMIS 141</u> <u>CMIT 391-14**</u> <u>CMIS 16*</u> <u>CMIS 16*</u> <u>IFSM 461-14**</u>	3 3 3 3 4 3 3 4 4 3 3	* Can be applied to UMUC minor or secondary specialization (based on appropriate catalog year), the supplemental area or electives, as appropriate.  ** Lower level version of upper level course at receiving institution. Student may still need to complete upper division requirement. Due to possible course overlap, student may not take the upper level course listed.
<b>Track Options</b> 12-14 Credits (Web, Programming, or Database)				
<b>Web Option</b>				
<u>WEBR/CINS 143</u> <u>WEBT/CINS 157</u> <u>WEBT/CINS 257</u> <u>WEBT/CINS 258</u>	3 3 3 4	<u>n/a</u> <u>CMST386-14**</u> <u>CMST 16*</u> <u>CMST 16*</u>	3 3 4	* Can be applied to UMUC minor or secondary specialization (based on appropriate catalog year), the supplemental area or electives, as appropriate.  ** Lower level version of upper level course at receiving institution. Student may still need to complete upper division requirement. Due to possible course overlap, student may not take the upper level course listed.
<b>Programming Option</b>				
<u>CINS 220</u> <u>CINS 227</u> <u>CINS236</u>	4 4 4	<u>CMST 306-14**</u> <u>CMIS 16*</u> <u>CMIS 340-14*</u>	4 4 4	* Can be applied to UMUC minor or secondary specialization (based on appropriate catalog year), the supplemental area or electives, as appropriate.  ** Lower level version of upper level course at receiving institution. Student may still need to complete upper division requirement. Due to possible course overlap, student may not take the upper level course listed.

Database Option				
<u>CINS 134</u>	3	<u>IFSM 16*</u>	3	* Can be applied to UMUC minor or secondary specialization (based on appropriate catalog year), the supplemental area or electives, as appropriate.  ** Lower level version of upper level course at receiving institution. Student may still need to complete upper division requirement. Due to possible course overlap, student may not take the upper level course listed.
<u>CINS156</u>	3	<u>CMIT 261</u>	3	
<u>CINS220</u>	4	<u>CMST 306-14**</u>	4	
<u>CINS256</u>	4	<u>CMIT 361-14**</u>	4	

**Additional Degree Requirements:**

- 30 s.h. at UMUC, including at least half of the major and at least 15 s.h. upper level (courses numbered 300-499).
- 45 s.h. must be upper level, including half the credit earned for the major and 9 s.h. in electives.
- At least half the credits for the major and minor must be earned through graded coursework.

See catalog for overview of all requirements.