



Pre-Major Transfer Table

**MATC—General Education Pathway
AS Chemical Technology: Pre-Major
to
UWM—College of Letters & Science
BS Chemistry**

MATC & UWM have signed a memorandum of understanding (MOU) that creates more seamless transfer opportunities between liberal arts programs. The pathway below details how a specific liberal arts pre-major at MATC will apply to a related bachelor's degree at UWM. Although the Art: Pre-Major is intended to provide a strong academic foundation for continued study in a parallel discipline, transfer students are not required to major in Art History at UWM. Identified course equivalencies may be applied to other UWM majors or degrees. Students interested in transferring are encouraged to contact academic advisors in L&S with specific questions: let-sci@uwm.edu.

Bach Degree Requirement	MATC Coursework	Cr	UWM Coursework	Cr
GER Requirements				
English Comp/OWC-Part A	ENG-201 (prereq) & ENG-202	6	ENGLISH 101 & 102	
Oral and Written Comm-Part B			Course from OWC-B list	3
Math & Formal Reasoning 1	MATH-231	5	MATH 231	
Math & Formal Reasoning 2			Fulfilled by calculus in major	
Foreign Language	First semester FLANG	4	Through 2 nd semester of one foreign language	4
Art (3 credits)	University GER Distribution and L&S Breadth Requirements are met by successful completion of MATC's AS Chemical Technology: Pre-Major liberal arts degree. Consult Transferology or TED to see how MATC gen ed courses not listed here transfer to UWM. These courses may also be applied to requirements for a second major, minor, or certificate program.			
Humanities (12 credits)				
Natural Science (12 credits)				
Social Science (12 credits)				
Cultural Diversity				
International Requirement				
Chemistry Major Requirements				
Gen Chem & Gen Chem & Qualitative Analysis	CHEM-211 & 212	10	CHEM 102 & 104	
Elem Quantitative Analysis	CHEM-215	5	CHEM 221	
Intro to Inorganic Chemistry			CHEM 311	3
Organic Chem & Org Chem Lab	CHEM-217 & 219	5	CHEM 343 & 344	
Organic Chemistry			CHEM 345	3
Instrumental Analysis			CHEM 524	3
Physical Chemistry I			CHEM 561	3
Physical Chemistry II			CHEM 562	3
Physical Chemistry Lab			CHEM 563	2
Adv Chem Lab I or II			CHEM 582 or 584	2
Intro Biochem or Inorganic Chem			CHEM 501 or 511	3
Senior Research or Thesis			CHEM 691 or 692	4
Calculus Sequence	MATH-231 (see GER)		MATH 232 & 233	8
Physics I & II			PHYSICS 209, 214, 210, & 215 or PHYSICS 219 & 220	10
Other Credits				
	MATC general education courses	25		
			Remaining UWM credits	9
TOTAL CREDITS		60		60

Other related degrees:

- BA Chemistry
- BA/BS Biochemistry