

Breadth and depth requirements 2011-2012

Many of the checklists have a non-math Breadth and Depth requirement that includes **Humanities (Hum)**, **Social Sciences (SS)**, **Pure Sciences (PS)**, and **Pure and Applied Sciences (AS)**. The following chart indicates which category each subject area is classified under for students using a 2011/2012 calendar.

Some depth examples are on the last page of this document.

Subject	Description	Hum	SS	PS	AS
ACTSC	Actuarial Science				
AFM	Accounting and Financial Management		√		
AHS	Applied Health Sciences				
AMATH	Applied Mathematics				
ANTH	Anthropology		√		
APPLS	Applied Language Studies		√		
ARBUS	Arts and Business				
ARCH	Architecture				√
ARTS	Arts	√			
BIOL	Biology			√	√

BUS	Business (WLU)		√		
CHE	Chemical Engineering				
CHEM	Chemistry			√	√
CHINA	Chinese	√			
CIVE	Civil Engineering				
CLAS	Classical Studies	√			
CM	Computational Mathematics				
CMW	Church Music and Worship	√			
CO	Combinatorics and Optimization				
COMM	Commerce				
CROAT	Croatian	√			
CS	Computer Science				
DAC	Digital Arts Communication	√			
DRAMA	Drama	√			
DUTCH	Dutch	√			
EARTH	Earth Sciences			√	√
EASIA	East Asian Studies	√			

ECE	Electrical and Computer Engineering				
ECON	Economics		√		
ENBUS	Environment and Business				
ENGL	English	√			
ENVE	Environmental Engineering				
ENVS	Environmental Studies				√
ERS	Environment and Resource Studies				√
ESL	English as a Second Language				
FINE	Fine Arts	√			
FR	French Studies	√			
GENE	General Engineering				
GEOE	Geological Engineering				
GEOG	Geography		√		
GER	German	√			
GERON	Gerontology				√
GRK	Greek and Hebrew	√			
HIST	History	√			

HLTH	Health Studies				√
HRM	Human Resources Management		√		
HUMSC	Human Sciences	√			
INDEV	International Development				
INTEG	Knowledge Integration				
INTST	International Studies				
INTTS	International Trade		√		
IS	Independent Studies				
ISS	Interdisciplinary Social Science		√		
ITAL	Italian	√			
ITALST	Italian Studies	√			
JAPAN	Japanese	√			
JS	Jewish Studies	√			
KIN	Kinesiology				√
KOREA	Korean	√			
LAT	Latin	√			
LS	Legal Studies		√		

MATBUS	Mathematical Business				
MATH	Mathematics				
ME	Mechanical Engineering				
MEDVL	Medieval Studies				
MSCI	Management Sciences		√		
MTE	Mechatronics Engineering				
MTHEL	Mathematics Electives				
MUSIC	Music	√			
NATST	Native Studies	√			
NE	Nanotechnology Engineering				
OPTOM	Optometry			√	√
PACS	Peace and Conflict Studies		√		
PHARM	Pharmacy				
PHIL	Philosophy	√			
PHYS	Physics			√	√
PLAN	Planning				√
PMATH	Pure Mathematics				

POLSH	Polish	√			
PORT	Portuguese	√			
PSCI	Political Science		√		
PSYCH	Psychology		√		
REC	Recreation and Leisure Studies		√		
REES	Russian and East European Studies	√			
RS	Religious Studies	√			
RUSS	Russian	√			
SCBUS	Science and Business				
SCI	Science			√	√
SE	Software Engineering				
SI	Studies in Islam				
SMF	Sexuality, Marriage, and Family		√		
SOC	Sociology		√		
SOCWK	Social Work		√		
SPAN	Spanish	√			
SPCOM	Speech Communication	√			

SPD	Spirituality and Personal Development	√			
STAT	Statistics				
STV	Society, Technology and Values		√		
SWREN	Social Work (Bachelor of ...)		√		
SYDE	Systems Design Engineering				
VCULT	Visual Culture				
WS	Women's Studies	√			

The "Depth" requirement can be met in two ways:

- 3 courses (1.5 units) that have the same subject with at least one of them (0.5 units) at the third-year level or higher, or
- 3 courses (1.5 units) with the same subject forming a prerequisite chain of length three.

Here are some examples of prerequisite chains of length three. In each case, course Z has course Y as a prerequisite and course Y has course X as a prerequisite.

- BUS 121W, followed by BUS 352W, followed by BUS 362W
- ECON 101, followed by 201, followed by one of 301, 333, 341, 342, 355, 357, 361.
- ECON 101 and 102, followed by 202, followed by one of 301, 302 (note that 2 courses are required before taking 202 but they do not form a chain)
- ECON 101 and 102, followed by 231, followed by one of 334, 335 (note that 2 courses are required before taking 231 but they do not form a chain)
- JAPAN 101R followed by 102R, followed by 201R
- PHYS 121, followed by 122, followed by one of 222, 226, 234, 246, 252, 256, 263, 358, 375, 380, 381.
- PSYCH 101 followed by 211, followed by one of 306, 307, 308, 320

Many subject areas do not have prerequisite chains. Students interested in these areas should use the first option for satisfying the requirement.