

UCS Science Pathways						
	7	8	9	10	11	12
<b>Accelerated Pathway</b>	Environmental Science	Physical Science	Biology	Chemistry or Honors Chemistry  OR  Physics or Honors Physics	<b>A 3<sup>rd</sup> science credit is required.</b> At least one AP course is strongly encouraged in the Accelerated Pathway. Two AP courses are recommended.	
					AP Biology*	AP Biology*
					AP Chemistry*	AP Chemistry*
					AP Environmental Science*	AP Environmental Science*
					AP Physics*	AP Physics *
					Astronomy	Astronomy
					Biology II	Biology II
					Chemistry or Honors Chemistry	Chemistry or Honors Chemistry
					Chemistry: Analytical	Chemistry: Analytical
					Chemistry: Organic	Chemistry: Organic
					Earth Science	Earth Science
					Environmental Science	Environmental Science
					Physics or Honors Physics	Physics or Honors Physics
Physiology	Physiology					
<b>Fundamental Pathway</b>	Science 7	Environmental Science	Physical Science	Biology	Chemistry or Physics	AP Biology*
						AP Chemistry*
						AP Environmental Science*
						Astronomy
						Biology II
						Chemistry or Honors Chemistry
						Chemistry: Analytical
						Chemistry: Organic
						Environmental Science
						Earth Science
						Physics or Honors Physics
						Physiology

**Rationale for Pathways:**

- Environmental Science** essentials are necessary for proper MME and further elective preparation.
- Physics & Chemistry** content taught in **Physical Science** is necessary for success in the rigorous **Biology** course (heavy molecular content) as well as testable MME disciplines.
- All students must pass **Biology** per the new graduation requirements.
- All students must pass **Chemistry** or **Physics** per the new graduation requirements.
- Students may not take a course over for an additional credit.
- Students should experience **Biology, Chemistry & Physics** before or concurrently with an AP class. It is essential for a well-rounded science curriculum.
- Students may double up with science courses but **MUST** take the MMC courses required by the State of Michigan.

**Selection Process:**

- Student selection is based on pattern of 3<sup>rd</sup> through 6<sup>th</sup> grade Math MEAPs, 5<sup>th</sup> grade Science MEAP, pattern of science grades, student interest and teacher recommendation.

**Exceptions:**

- Students who choose the Fundamental Path in 7<sup>th</sup> grade, but would like to accelerate in 8<sup>th</sup> grade may double up and take **both Environmental Science** and **Physical Science** at the same time; this would require them to give up an elective.
- Students who struggle in the 7<sup>th</sup> grade accelerated science pathway (lower than a B at 1<sup>st</sup> semester in **Environmental Science**) will be moved to **Science 7** (space permitting), will repeat **Environmental Science** in 8<sup>th</sup> grade, and then follow the Fundamental Pathway for science beginning in 9<sup>th</sup> grade.
- Courses listed in Pathway may not be available in each building.

\* Indicates the course has a prerequisite – Please refer to the UCS Science Curriculum Guide for further information.