

UCS Science Pathways						
	7	8	9	10	11	12
Accelerated Pathway	Environmental Science	Physical Science	Biology	Chemistry or Honors Chemistry OR Physics or Honors Physics	A 3rd science credit is required. 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					
Fundamental Pathway	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:

1. **Environmental Science** essentials are necessary for proper MME and further elective preparation.
2. **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.
3. All students must pass **Biology** per the new graduation requirements.
4. All students must pass **Chemistry** or **Physics** per the new graduation requirements.
5. Students may not take a course over for an additional credit.
6. Students should experience **Biology, Chemistry & Physics** before or concurrently with an AP class. It is essential for a well-rounded science curriculum.
7. Students may double up with science courses but **MUST** take the MMC courses required by the State of Michigan.

Selection Process:

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

Exceptions:

1. Students who choose the Fundamental Path in 7th grade, but would like to accelerate in 8th 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.
2. Students who would like to accelerate in 9th grade may skip **Physical Science** and take **Biology**, should have A's in accelerated math & science, and a teacher recommendation. They should plan to take **Physics** in 11th grade as well.
3. Students who struggle in the 7th grade accelerated science pathway (lower than a B at 1st semester in **Environmental Science**) will be moved to **Science 7** (space permitting), will repeat **Environmental Science** in 8th grade, and then follow the Fundamental Pathway for science beginning in 9th grade.
4. 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.