Some important prerequisites...

Prerequisite	Required for
Intro to Graph Theory (W1)	Shannon Capacity of Graphs (W2)
	Coloring Graphs on Surfaces (W2)
	The Traveling Salesman Problem: Recent Research (W4)
	Evasiveness (W2)
	Decomposing and Factoring (W4)
Group Theory (W1)	Evasiveness (W2)
	Pseudo-Telepathy (W3)
	Symmetries of Spaces (W3)
	Finite Fields (W2)
	Classification of subgroups of $\mathrm{GL}_2(\mathbb{F}_q)$ (W3)
Linear Algebra (W1)	Pseudo-Telepathy (W3)
	Symmetries of Spaces (W3)
	Finite Fields (W2)
	Classification of subgroups of $\mathrm{GL}_2(\mathbb{F}_q)$ (W3)
Functions of a Complex Variable (W2–W3)	Riemann Surfaces (W4)
	Advanced Complex Analysis (W4)
Ring Theory (W2)	Division Rings (W3–W4)
Finite Fields (W2)	Algebraic Number Theory (W4)
Mathematica Workshop (W2)	The Logistics of Zombies: Cobwebs and Chaos (W3)

Class	Requires
Riemann Surfaces (W4)	Functions of a Complex Variable (W2–W3)
Advanced Complex Analysis (W4)	Functions of a Complex Variable (W2–W3)
Shannon Capacity of Graphs (W2)	Intro to Graph Theory (W1)
Coloring Graphs on Surfaces (W2)	Intro to Graph Theory (W1)
The Traveling Salesman Problem: Recent Research (W4)	Intro to Graph Theory (W1)
Decomposing and Factoring (W4)	Intro to Graph Theory (W1)
Evasiveness (W2)	Intro to Graph Theory (W1)
	Group Theory (W1)
Pseudo-Telepathy (W3)	Linear Algebra (W1)
	Group Theory (W1)
Symmetries of Spaces (W3)	Linear Algebra (W1)
	Group Theory (W1)
Finite Fields (W2)	Linear Algebra (W1)
	Group Theory (W1)
Classification of subgroups of $\mathrm{GL}_2(\mathbb{F}_q)$ (W3)	Linear Algebra (W1)
	Group Theory (W1)
	Finite Fields (W2)
The Logistics of Zombies: Cobwebs and Chaos (W3)	Mathematica Workshop (W2)
Division Rings (W3–W4)	Ring Theory (W2)