Mathematical background

$$v_{\pi}(s) = \sum_{a} \pi(a|s) \sum_{\substack{\underline{s',r} \\ \text{Sum over} \\ \text{s' and r} \\ \text{pairs}}} \underbrace{p(s',r|s,a)}_{\substack{\text{Probability of} \\ \text{getting s' and r} \\ \text{given you are in} \\ \text{state s and take} \\ \text{action a} } (s',r|s,a)$$

The bulk of the mathematics of the course centers around summations over states and rewards, with probability distributions that utilize Bayesian notation (i.e. P(A|B)). In many cases these equations are expressed recursively, to enable efficient computation.

If you can roughly parse the above equation, then you have the mathematical background necessary to learn the material

