Students who excel in scholarship and leadership may be invited to join the appropriate honor society. Honor societies at Maryland include:

- Alpha Chi Sigma (Chemistry)
- Alpha Epsilon (Agricultural Engineering)¹
- Alpha Epsilon Delta (Pre-Med)¹
- Alpha Epsilon Rho (Broadcast Journalism)
- Alpha Kappa Delta (Sociology)¹
- Alpha Lambda Delta (Freshman Scholarship)¹
- Alpha Phi Sigma (Criminal Justice)
- Alpha Zeta (Agriculture)
- Beta Alpha Psi (Accounting)
- Beta Gamma Sigma (Business Management)¹
- Black Honors Caucus
- Chi Epsilon (Civil Engineering)¹
- Delta Nu Alpha (Transportation)
- Delta Phi Alpha (German)
- Delta Sigma Pi (Business)
- Eta Beta Rho (Hebrew)
- Eta Kappa Nu (Electrical Engineering)¹
- Gamma Theta Upsilon (Geography)¹
- Golden Key Honor Society (Leadership/Scholarship)¹
- Kappa Delta Pi (Education)¹
- Kappa Tau Alpha (Journalism)¹
- Lambda Pi Eta (Speech Communication)¹
- Mortar Board National Honor Society (Scholarship)¹
- National Society of Collegiate Scholars
- Omega Chi Epsilon (Chemistry Engineering)¹
- Omega Rho (Business)¹
- Omicron Delta Epsilon (Economics)¹
- Omicron Delta Kappa (Scholarship/Leadership)¹
- Order of Omega (Fraternity/Sorority Leadership)¹
- Phi Alpha Epsilon (Health/Human Resources)
- Phi Alpha Theta (History)¹
- Phi Beta Kappa (Scholarship)
- Phi Chi Theta (Business and Economics)
- Phi Eta Sigma (Freshman Scholarship)¹
- Phi Kappa Phi (Senior/Graduate Scholarship)¹
- Phi Sigma (Biology)¹
- Phi Sigma Pi (Scholarship/Leadership)¹
- Phi Sigma Kappa (French/Italian)¹
- Pi Sigma Alpha (Political Science)¹
- Phi Sigma Theta¹
- Pi Tau Sigma (Mechanical Engineering)
- Primannum Honor Society¹
- Psi Chi (Psychology)¹
- Sigma Alpha Omicron (Microbiology)
- Sigma Delta Chi (Journalism)
- Sigma Delta Pi (Spanish)¹
- Sigma Tau Delta (English)¹

¹ Member of Association of College Honor Societies