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

1 Member of Association of College Honor Societies