

University of Maryland - College Park East Campus Parking Analysis (Weekday)

Hour of Day	Hourly Distributions							Max Parking Demand							Total
	Office	Residential (owned, reside)	Fine/Casual Dining	Retail	Hotel (Business)	Grocery	Cinema Birchmere	Office	Residential	Fine/Casual Dining	Retail	Hotel	Grocery	Cinema Birchmere	
Size								96,700	2400 BEDS	80,000	245,000	200	55,000	1800 SEATS	
Max. Parking Index								3.50	1.00	16.00	5.00	1.00	4.00	0.25	
Max. Parking Demand								338	2,400	1,280	1,225	200	220	450	6,113
TOD Driving Reductions								90%	75%	90%	90%	100%	100%	95%	
Non -Captive Rate Adjustment (Synergy)								100%	95%	85%	85%	100%	90%	85%	
Adjusted Peak Hour Parking Demand								305	1,710	979	937	200	198	363	4,692
M-F															
6:00 AM	3%	100%	0%	1%	95%	25%	0%	9	1,710	-	9	190	50	-	1,968
7:00 AM	30%	90%	0%	5%	90%	45%	0%	91	1,539	-	47	180	89	-	1,946
8:00 AM	75%	85%	0%	15%	80%	50%	0%	228	1,454	-	141	160	99	-	2,082
9:00 AM	95%	80%	0%	35%	70%	60%	0%	289	1,368	-	328	140	119	-	2,244
10:00 AM	100%	75%	15%	55%	60%	75%	0%	305	1,283	147	515	120	149	-	2,518
11:00 AM	100%	70%	40%	75%	60%	75%	0%	305	1,197	392	703	120	149	-	2,865
12:00 PM	90%	65%	75%	75%	55%	75%	10%	274	1,112	734	703	110	149	36	3,118
1:00 PM	90%	70%	75%	90%	55%	85%	35%	274	1,197	734	843	110	168	127	3,454
2:00 PM	100%	70%	65%	85%	60%	90%	45%	305	1,197	636	797	120	178	164	3,396
3:00 PM	100%	70%	40%	80%	60%	85%	45%	305	1,197	392	750	120	168	164	3,095
4:00 PM	90%	75%	50%	80%	65%	65%	45%	274	1,283	490	750	130	129	164	3,218
5:00 PM	50%	85%	75%	85%	70%	70%	70%	152	1,454	734	797	140	139	254	3,670
6:00 PM	25%	90%	95%	85%	75%	95%	70%	76	1,539	930	797	150	188	254	3,934
7:00 PM	10%	97%	100%	85%	75%	95%	70%	30	1,659	979	797	150	188	254	4,057
8:00 PM	7%	98%	100%	70%	80%	80%	90%	21	1,676	979	656	160	158	327	3,978
9:00 PM	3%	99%	100%	50%	85%	85%	90%	9	1,693	979	469	170	168	327	3,815
10:00 PM	1%	100%	95%	30%	95%	25%	70%	3	1,710	930	281	190	50	254	3,418
11:00 PM	0%	100%	75%	10%	100%	5%	55%	-	1,710	734	94	200	10	200	2,948
12:00 AM	0%	100%	25%	0%	100%	5%	30%	-	1,710	245	-	200	10	109	2,274

Max. Demand **4,057** spaces
 Parking Supply **4,000** spaces

Effective Parking Rates

Office 0.22 spaces/1,000 S.F.
 Residential 0.70 spaces/unit
 Fine/Casual Dining 12.24 spaces/1,000 S.F.
 Retail 2.68 spaces/1,000 S.F.
 Hotel 0.80 spaces/room
 Cinema 0.18 spaces/seat

Forecasted Parking Demand based on WMATA Studies and ULI Shared Parking, 2nd Edition

University of Maryland - College Park East Campus Parking Analysis (Weekend)

Hour of Day	Hourly Distributions (1)							Max Parking Demand							Total
	Office	Residential (owned, reside)	Fine/Casual Dining	Retail	Hotel (Business)	Grocery	Cinema	Office	Residential	Fine/Casual Dining	Retail	Hotel	Grocery	Cinema Birchmere	
Size								96,700	2400 BEDS	80,000	245,000	200	55,000	1800 SEATS	
Max. Parking Index								3.50	1.00	16.00	5.00	1.00	4.00	0.25	
Max. Parking Demand								338	2,400	1,280	1,225	200	220	450	6,113
TOD Driving Reductions								90%	75%	90%	90%	100%	100%	95%	
Non -Captive Rate Adjustment (Synergy)								100%	95%	85%	85%	100%	90%	85%	
Adjusted Peak Hour Parking Demand								305	1,710	979	937	200	198	363	4,692
Sat&Sun															
6:00 AM	0%	100%	0%	1%	95%	10%	0%	-	1,710	-	9	190	20	-	1,929
7:00 AM	0%	90%	0%	5%	90%	10%	0%	-	1,539	-	47	180	20	-	1,786
8:00 AM	5%	85%	0%	10%	80%	20%	0%	15	1,454	-	94	160	40	-	1,762
9:00 AM	10%	80%	0%	30%	70%	30%	0%	30	1,368	-	281	140	59	-	1,879
10:00 AM	10%	75%	0%	50%	60%	50%	0%	30	1,283	-	469	120	99	-	2,001
11:00 AM	15%	70%	15%	65%	60%	65%	0%	46	1,197	147	609	120	129	-	2,247
12:00 PM	15%	65%	50%	80%	55%	80%	20%	46	1,112	490	750	110	158	73	2,738
1:00 PM	15%	70%	55%	90%	55%	90%	45%	46	1,197	539	843	110	178	164	3,076
2:00 PM	10%	70%	45%	100%	60%	100%	55%	30	1,197	441	937	120	198	200	3,123
3:00 PM	10%	70%	45%	100%	60%	100%	55%	30	1,197	441	937	120	198	200	3,123
4:00 PM	5%	75%	45%	95%	65%	95%	55%	15	1,283	441	890	130	188	200	3,147
5:00 PM	5%	85%	60%	90%	70%	90%	60%	15	1,454	588	843	140	178	218	3,436
6:00 PM	5%	90%	90%	80%	75%	80%	60%	15	1,539	881	750	150	158	218	3,712
7:00 PM	0%	95%	95%	75%	75%	75%	80%	-	1,625	930	703	150	149	291	3,847
8:00 PM	0%	95%	100%	70%	60%	65%	100%	-	1,625	979	656	120	129	363	3,872
9:00 PM	0%	95%	90%	50%	85%	50%	100%	-	1,625	881	469	170	99	363	3,607
10:00 PM	0%	95%	90%	35%	95%	35%	100%	-	1,625	881	328	190	69	363	3,456
11:00 PM	0%	95%	90%	15%	100%	15%	80%	-	1,625	881	141	200	30	291	3,167
12:00 AM	0%	95%	50%	0%	100%	0%	50%	-	1,625	490	-	200	-	182	2,496

Max. Demand **3,872** spaces
 Parking Supply **4,000** spaces

Effective Parking Rates

Office - spaces/1,000 S.F.
 Residential 0.68 spaces/unit
 Fine/Casual Dining 12.24 spaces/1,000 S.F.
 Retail 2.68 spaces/1,000 S.F.
 Hotel 0.60 spaces/room
 Cinema 0.20 spaces/seat

Forecasted Parking Demand based on WMATA Studies and ULI Shared Parking, 2nd Edition