

Austin Peay

| Year | Seed | Opponent | Seed | Score | Opp Score | W | L | OT | Round |
|------|------|--------------|------|-------|-----------|---|---|----|----------------------|
| 1973 | | Jacksonville | | 77 | 75 | 1 | 0 | 0 | Round of 32 |
| | | Kentucky | | 100 | 106 | 1 | 1 | 1 | Sweet Sixteen |
| | | Marquette | | 73 | 88 | 1 | 2 | 0 | Regional Third Place |
| 1974 | | Notre Dame | | 66 | 108 | 1 | 3 | 0 | Round of 32 |
| 1987 | 14 | Illinois | 3 | 68 | 67 | 2 | 3 | 0 | Round of 64 |
| | 14 | Providence | 6 | 87 | 90 | 2 | 4 | 1 | Round of 32 |
| 1996 | 14 | Georgia Tech | 3 | 79 | 90 | 2 | 5 | 0 | Round of 64 |
| 2003 | 13 | Louisville | 4 | 64 | 86 | 2 | 6 | 0 | Round of 64 |
| 2008 | 15 | Texas | 2 | 54 | 74 | 2 | 7 | 0 | Round of 64 |
| 2016 | 16 | Kansas | 1 | 79 | 105 | 2 | 8 | 0 | Round of 64 |