

Baylor

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|-------------|-------------|----------------------|-------------|--------------|------------------|-----------|----------|----------|------------------------|
| 1946 | | Oklahoma State | | 29 | 44 | 0 | 0 | 1 | Elite Eight |
| | | Colorado | | 44 | 59 | 0 | 0 | 2 | Regional Third Place I |
| 1948 | | Washington | | 64 | 62 | 0 | 1 | 2 | Elite Eight |
| | | Kansas State | | 60 | 52 | 0 | 2 | 2 | National Semifinals |
| | | Kentucky | | 42 | 58 | 0 | 2 | 3 | National Championship |
| 1950 | | Brigham Young | | 56 | 55 | 0 | 3 | 3 | Elite Eight |
| | | Bradley | 1 | 66 | 68 | 0 | 3 | 4 | National Semifinals |
| | | North Carolina State | 5 | 41 | 53 | 0 | 3 | 5 | National Third Place |
| 1988 | | Memphis | | 60 | 75 | 0 | 3 | 6 | Round of 64 |
| 2008 | | Purdue | 20 | 79 | 90 | 0 | 3 | 7 | Round of 64 |

Colorado

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|---------------------|------|-------|-----------|----|---|----|-------------------------|
| 1940 | | Southern California | | 32 | 38 | 0 | 0 | 1 | Elite Eight |
| | | Rice | | 56 | 60 | 1 | 0 | 2 | Regional Third Place I |
| 1942 | | Kansas | | 46 | 44 | 0 | 1 | 2 | Elite Eight |
| | | Stanford | | 35 | 46 | 0 | 1 | 3 | National Semifinals |
| 1946 | | California | | 44 | 50 | 0 | 1 | 4 | Elite Eight |
| | | Baylor | | 59 | 44 | 0 | 2 | 4 | Regional Third Place I |
| 1954 | | Bradley | | 64 | 76 | 0 | 2 | 5 | Sweet Sixteen |
| | | Rice | | 55 | 78 | 0 | 2 | 6 | Regional Third Place II |
| 1955 | 15 | Tulsa | 16 | 69 | 59 | 0 | 3 | 6 | Sweet Sixteen |
| | 15 | Bradley | | 93 | 81 | 0 | 4 | 6 | Elite Eight |
| | 15 | San Francisco | 1 | 50 | 62 | 0 | 4 | 7 | National Semifinals |
| | 15 | Iowa | 5 | 75 | 54 | 0 | 5 | 7 | National Third Place |
| 1962 | 9 | Texas Tech | | 67 | 60 | 0 | 6 | 7 | Sweet Sixteen |
| | 9 | Cincinnati | 2 | 46 | 73 | 0 | 6 | 8 | Elite Eight |
| 1963 | 10 | Oklahoma City | | 78 | 72 | 0 | 7 | 8 | Sweet Sixteen |
| | 10 | Cincinnati | 1 | 60 | 67 | 0 | 7 | 9 | Elite Eight |
| 1969 | 18 | Colorado State | | 56 | 64 | 0 | 7 | 10 | Sweet Sixteen |
| | 18 | Texas A&M | | 97 | 82 | 0 | 8 | 10 | Regional Third Place II |
| 1997 | 24 | Indiana | | 80 | 62 | 0 | 9 | 10 | Round of 64 |
| | 24 | North Carolina | 4 | 56 | 73 | 0 | 9 | 11 | Round of 32 |
| 2003 | | Michigan State | | 64 | 79 | 0 | 9 | 12 | Round of 64 |

Iowa State

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|---------------------------|------|-------|-----------|----|----|----|---------------------|
| 1944 | | Pepperdine | | 44 | 39 | 0 | 1 | 0 | Elite Eight |
| | | Utah | | 31 | 40 | 0 | 1 | 1 | National Semifinals |
| 1985 | | Ohio State | | 64 | 75 | 0 | 1 | 2 | Round of 64 |
| 1986 | | Miami, Ohio | | 81 | 79 | 1 | 2 | 2 | Round of 64 |
| | | Michigan | 5 | 72 | 69 | 0 | 3 | 2 | Round of 32 |
| | | North Carolina State | | 66 | 70 | 0 | 3 | 3 | Sweet Sixteen |
| 1988 | | Georgia Tech | | 78 | 90 | 0 | 3 | 4 | Round of 64 |
| 1989 | | UCLA | | 74 | 84 | 0 | 3 | 5 | Round of 64 |
| 1992 | | Charlotte | | 76 | 74 | 0 | 4 | 5 | Round of 64 |
| | | Kentucky | 6 | 98 | 106 | 0 | 4 | 6 | Round of 32 |
| 1993 | | UCLA | | 70 | 81 | 0 | 4 | 7 | Round of 64 |
| 1995 | 24 | Florida | | 64 | 61 | 0 | 5 | 7 | Round of 64 |
| | 24 | North Carolina | 4 | 51 | 73 | 0 | 5 | 8 | Round of 32 |
| 1996 | 17 | California | | 74 | 64 | 0 | 6 | 8 | Round of 64 |
| | 17 | Utah | 12 | 67 | 73 | 0 | 6 | 9 | Round of 32 |
| 1997 | 18 | Illinois State | | 69 | 57 | 0 | 7 | 9 | Round of 64 |
| | 18 | Cincinnati | 10 | 67 | 66 | 0 | 8 | 9 | Round of 32 |
| | 18 | UCLA | 7 | 73 | 74 | 1 | 8 | 10 | Sweet Sixteen |
| 2000 | 6 | Central Connecticut State | | 88 | 78 | 0 | 9 | 10 | Round of 64 |
| | 6 | Auburn | 24 | 79 | 60 | 0 | 10 | 10 | Round of 32 |
| | 6 | UCLA | | 80 | 56 | 0 | 11 | 10 | Sweet Sixteen |
| | 6 | Michigan State | 2 | 64 | 75 | 0 | 11 | 11 | Elite Eight |
| 2001 | 10 | Hampton | | 57 | 58 | 0 | 11 | 12 | Round of 64 |
| 2005 | | Minnesota | | 64 | 53 | 0 | 12 | 12 | Round of 64 |
| | | North Carolina | 2 | 65 | 92 | 0 | 12 | 13 | Round of 32 |

Kansas

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|----------------------|------|-------|-----------|----|----|----|-------------------------|
| 1940 | | Rice | | 50 | 44 | 0 | 1 | 0 | Elite Eight |
| | | Southern California | | 43 | 42 | 0 | 2 | 0 | National Semifinals |
| | | Indiana | | 42 | 60 | 0 | 2 | 1 | National Championship |
| 1942 | | Colorado | | 44 | 46 | 0 | 2 | 2 | Elite Eight |
| | | Rice | | 55 | 53 | 0 | 3 | 2 | Regional Third Place I |
| 1952 | 8 | Texas Christian | | 68 | 64 | 0 | 4 | 2 | Sweet Sixteen |
| | 8 | St. Louis | 5 | 74 | 55 | 0 | 5 | 2 | Elite Eight |
| | 8 | Santa Clara | | 74 | 55 | 0 | 6 | 2 | National Semifinals |
| | 8 | St. John's, New York | 10 | 80 | 63 | 0 | 7 | 2 | National Championship |
| 1953 | 6 | Oklahoma City | 11 | 73 | 65 | 0 | 8 | 2 | Sweet Sixteen |
| | 6 | Oklahoma State | 7 | 61 | 55 | 0 | 9 | 2 | Elite Eight |
| | 6 | Washington | 4 | 79 | 53 | 0 | 10 | 2 | National Semifinals |
| | 6 | Indiana | 1 | 68 | 69 | 0 | 10 | 3 | National Championship |
| 1957 | 2 | Southern Methodist | 4 | 73 | 65 | 1 | 11 | 3 | Sweet Sixteen |
| | 2 | Oklahoma City | 9 | 81 | 61 | 0 | 12 | 3 | Elite Eight |
| | 2 | San Francisco | | 80 | 56 | 0 | 13 | 3 | National Semifinals |
| | 2 | North Carolina | 1 | 53 | 54 | 3 | 13 | 4 | National Championship |
| 1960 | | Texas | | 90 | 81 | 0 | 14 | 4 | Sweet Sixteen |
| | | Cincinnati | 1 | 71 | 82 | 0 | 14 | 5 | Elite Eight |
| 1966 | 4 | Southern Methodist | | 76 | 70 | 0 | 15 | 5 | Sweet Sixteen |
| | 4 | Texas-El Paso | 3 | 80 | 81 | 2 | 15 | 6 | Elite Eight |
| 1967 | 3 | Houston | 7 | 53 | 66 | 0 | 15 | 7 | Sweet Sixteen |
| | 3 | Louisville | 2 | 70 | 68 | 0 | 16 | 7 | Regional Third Place II |
| 1971 | 4 | Houston | 14 | 78 | 77 | 0 | 17 | 7 | Sweet Sixteen |
| | 4 | Drake | 19 | 73 | 71 | 0 | 18 | 7 | Elite Eight |
| | 4 | UCLA | 1 | 60 | 68 | 0 | 18 | 8 | National Semifinals |
| | 4 | Western Kentucky | 7 | 75 | 77 | 0 | 18 | 9 | National Third Place |
| 1974 | 14 | Creighton | 19 | 55 | 54 | 0 | 19 | 9 | Sweet Sixteen |
| | 14 | Oral Roberts | | 93 | 90 | 1 | 20 | 9 | Elite Eight |
| | 14 | Marquette | 7 | 51 | 64 | 0 | 20 | 10 | National Semifinals |
| | 14 | UCLA | 2 | 61 | 78 | 0 | 20 | 11 | National Third Place |
| 1975 | | Notre Dame | 9 | 71 | 77 | 0 | 20 | 12 | Round of 32 |
| 1978 | 10 | UCLA | 2 | 76 | 83 | 0 | 20 | 13 | Round of 32 |
| 1981 | | Mississippi | | 69 | 66 | 0 | 21 | 13 | Round of 64 |
| | | Arizona State | 3 | 88 | 71 | 0 | 22 | 13 | Round of 32 |
| | | Wichita State | | 65 | 66 | 0 | 22 | 14 | Sweet Sixteen |
| 1984 | | Alcorn State | | 57 | 56 | 0 | 23 | 14 | Round of 64 |
| | | Wake Forest | 19 | 59 | 69 | 0 | 23 | 15 | Round of 32 |
| 1985 | 13 | Ohio | | 49 | 38 | 0 | 24 | 15 | Round of 64 |
| | 13 | Auburn | | 64 | 66 | 0 | 24 | 16 | Round of 32 |
| 1986 | 2 | North Carolina A&T | | 71 | 46 | 0 | 25 | 16 | Round of 64 |
| | 2 | Temple | | 65 | 43 | 0 | 26 | 16 | Round of 32 |
| | 2 | Michigan State | 18 | 96 | 86 | 1 | 27 | 16 | Sweet Sixteen |
| | 2 | North Carolina State | | 75 | 67 | 0 | 28 | 16 | Elite Eight |
| | 2 | Duke | 1 | 67 | 71 | 0 | 28 | 17 | National Semifinals |

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|------|----|-----------------------------|----|-----|----|---|----|----|-----------------------|
| 1987 | 20 | Houston | | 66 | 55 | 0 | 29 | 17 | Round of 64 |
| | 20 | Missouri State | | 67 | 63 | 0 | 30 | 17 | Round of 32 |
| | 20 | Georgetown | 4 | 57 | 70 | 0 | 30 | 18 | Sweet Sixteen |
| 1988 | | Xavier, Ohio | 18 | 85 | 72 | 0 | 31 | 18 | Round of 64 |
| | | Murray State | | 61 | 58 | 0 | 32 | 18 | Round of 32 |
| | | Vanderbilt | | 77 | 64 | 0 | 33 | 18 | Sweet Sixteen |
| | | Kansas State | 20 | 71 | 58 | 0 | 34 | 18 | Elite Eight |
| | | Duke | 5 | 66 | 59 | 0 | 35 | 18 | National Semifinals |
| | | Oklahoma | 4 | 83 | 79 | 0 | 36 | 18 | National Championship |
| 1990 | 5 | Robert Morris | | 79 | 71 | 0 | 37 | 18 | Round of 64 |
| | 5 | UCLA | | 70 | 71 | 0 | 37 | 19 | Round of 32 |
| 1991 | 12 | New Orleans | | 55 | 49 | 0 | 38 | 19 | Round of 64 |
| | 12 | Pittsburgh | | 77 | 66 | 0 | 39 | 19 | Round of 32 |
| | 12 | Indiana | 3 | 83 | 65 | 0 | 40 | 19 | Sweet Sixteen |
| | 12 | Arkansas | 2 | 93 | 81 | 0 | 41 | 19 | Elite Eight |
| | 12 | North Carolina | 4 | 79 | 73 | 0 | 42 | 19 | National Semifinals |
| | 12 | Duke | 6 | 65 | 72 | 0 | 42 | 20 | National Championship |
| 1992 | 2 | Howard | | 100 | 67 | 0 | 43 | 20 | Round of 64 |
| | 2 | Texas-El Paso | | 60 | 66 | 0 | 43 | 21 | Round of 32 |
| 1993 | 9 | Ball State | | 94 | 72 | 0 | 44 | 21 | Round of 64 |
| | 9 | Brigham Young | | 90 | 76 | 0 | 45 | 21 | Round of 32 |
| | 9 | California | | 93 | 76 | 0 | 46 | 21 | Sweet Sixteen |
| | 9 | Indiana | 1 | 83 | 77 | 0 | 47 | 21 | Elite Eight |
| | 9 | North Carolina | 4 | 68 | 78 | 0 | 47 | 22 | National Semifinals |
| 1994 | 13 | Chattanooga | | 102 | 73 | 0 | 48 | 22 | Round of 64 |
| | 13 | Wake Forest | | 69 | 58 | 0 | 49 | 22 | Round of 32 |
| | 13 | Purdue | 3 | 78 | 83 | 0 | 49 | 23 | Sweet Sixteen |
| 1995 | 5 | Colgate | | 82 | 68 | 0 | 50 | 23 | Round of 64 |
| | 5 | Western Kentucky | 21 | 75 | 70 | 0 | 51 | 23 | Round of 32 |
| | 5 | Virginia | 13 | 58 | 67 | 0 | 51 | 24 | Sweet Sixteen |
| 1996 | 4 | South Carolina State | | 92 | 54 | 0 | 52 | 24 | Round of 64 |
| | 4 | Santa Clara | | 76 | 51 | 0 | 53 | 24 | Round of 32 |
| | 4 | Arizona | 11 | 83 | 80 | 0 | 54 | 24 | Sweet Sixteen |
| | 4 | Syracuse | 15 | 57 | 60 | 0 | 54 | 25 | Elite Eight |
| 1997 | 1 | Jackson State | | 78 | 64 | 0 | 55 | 25 | Round of 64 |
| | 1 | Purdue | | 75 | 61 | 0 | 56 | 25 | Round of 32 |
| | 1 | Arizona | 15 | 82 | 85 | 0 | 56 | 26 | Sweet Sixteen |
| 1998 | 2 | Prairie View | | 110 | 52 | 0 | 57 | 26 | Round of 64 |
| | 2 | Rhode Island | | 75 | 80 | 0 | 57 | 27 | Round of 32 |
| 1999 | 22 | Evansville | | 95 | 74 | 0 | 58 | 27 | Round of 64 |
| | 22 | Kentucky | 8 | 88 | 92 | 1 | 58 | 28 | Round of 32 |
| 2000 | | DePaul | | 81 | 77 | 1 | 59 | 28 | Round of 64 |
| | | Duke | 1 | 64 | 69 | 0 | 59 | 29 | Round of 32 |
| 2001 | 12 | California State-Northridge | | 99 | 75 | 0 | 60 | 29 | Round of 64 |
| | 12 | Syracuse | 17 | 87 | 58 | 0 | 61 | 29 | Round of 32 |
| | 12 | Illinois | 4 | 64 | 80 | 0 | 61 | 30 | Sweet Sixteen |
| 2002 | 2 | Holy Cross | | 70 | 59 | 0 | 62 | 30 | Round of 64 |
| | 2 | Stanford | 24 | 86 | 63 | 0 | 63 | 30 | Round of 32 |

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|------|----|---------------------|----|-----|----|---|----|----|-----------------------|
| 2002 | 2 | Illinois | 13 | 73 | 69 | 0 | 64 | 30 | Sweet Sixteen |
| | 2 | Oregon | 11 | 104 | 86 | 0 | 65 | 30 | Elite Eight |
| | 2 | Maryland | 4 | 88 | 97 | 0 | 65 | 31 | National Semifinals |
| 2003 | 6 | Utah State | | 64 | 61 | 0 | 66 | 31 | Round of 64 |
| | 6 | Arizona State | | 108 | 76 | 0 | 67 | 31 | Round of 32 |
| | 6 | Duke | 7 | 69 | 65 | 0 | 68 | 31 | Sweet Sixteen |
| | 6 | Arizona | 2 | 78 | 75 | 0 | 69 | 31 | Elite Eight |
| | 6 | Marquette | 9 | 94 | 61 | 0 | 70 | 31 | National Semifinals |
| | 6 | Syracuse | 13 | 78 | 81 | 0 | 70 | 32 | National Championship |
| 2004 | 16 | Illinois-Chicago | | 78 | 53 | 0 | 71 | 32 | Round of 64 |
| | 16 | Pacific, California | | 78 | 63 | 0 | 72 | 32 | Round of 32 |
| | 16 | UAB | | 100 | 74 | 0 | 73 | 32 | Sweet Sixteen |
| | 16 | Georgia Tech | 14 | 71 | 79 | 1 | 73 | 33 | Elite Eight |
| 2005 | 12 | Bucknell | | 63 | 64 | 0 | 73 | 34 | Round of 64 |
| 2006 | 12 | Bradley | | 73 | 77 | 0 | 73 | 35 | Round of 64 |
| 2007 | 2 | Niagara | | 107 | 67 | 0 | 74 | 35 | Round of 64 |
| | 2 | Kentucky | | 88 | 76 | 0 | 75 | 35 | Round of 32 |
| | 2 | Southern Illinois | 14 | 61 | 58 | 0 | 76 | 35 | Sweet Sixteen |
| | 2 | UCLA | 7 | 55 | 68 | 0 | 76 | 36 | Elite Eight |
| 2008 | 4 | Portland State | | 85 | 61 | 0 | 77 | 36 | Round of 64 |
| | 4 | Nevada-Las Vegas | | 75 | 56 | 0 | 78 | 36 | Round of 32 |
| | 4 | Villanova | | 72 | 57 | 0 | 79 | 36 | Sweet Sixteen |
| | 4 | Davidson | 23 | 59 | 57 | 0 | 80 | 36 | Elite Eight |
| | 4 | North Carolina | 1 | 84 | 66 | 0 | 81 | 36 | National Semifinals |
| | 4 | Memphis | 2 | 75 | 68 | 1 | 82 | 36 | National Championship |
| 2009 | 14 | North Dakota State | | 84 | 74 | 0 | 83 | 36 | Round of 64 |
| | 14 | Dayton | | 60 | 43 | 0 | 84 | 36 | Round of 32 |
| | 14 | Michigan State | 8 | 62 | 67 | 0 | 84 | 37 | Sweet Sixteen |

Kansas State

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|---------------------|------|-------|-----------|----|----|----|-------------------------|
| 1948 | | Wyoming | | 58 | 48 | 0 | 1 | 0 | Elite Eight |
| | | Baylor | | 52 | 60 | 0 | 1 | 1 | National Semifinals |
| | | Holy Cross | | 54 | 60 | 0 | 1 | 2 | National Third Place |
| 1951 | 4 | Arizona | 12 | 61 | 59 | 0 | 2 | 2 | Sweet Sixteen |
| | 4 | Brigham Young | 11 | 64 | 54 | 0 | 3 | 2 | Elite Eight |
| | 4 | Oklahoma State | 2 | 68 | 44 | 0 | 4 | 2 | National Semifinals |
| | 4 | Kentucky | 1 | 58 | 68 | 0 | 4 | 3 | National Championship |
| 1956 | | Oklahoma City | 11 | 93 | 97 | 0 | 4 | 4 | Sweet Sixteen |
| | | Houston | | 89 | 70 | 0 | 5 | 4 | Regional Third Place II |
| 1958 | 3 | Cincinnati | 2 | 83 | 80 | 1 | 6 | 4 | Sweet Sixteen |
| | 3 | Oklahoma State | 19 | 69 | 57 | 0 | 7 | 4 | Elite Eight |
| | 3 | Seattle | 18 | 51 | 73 | 0 | 7 | 5 | National Semifinals |
| | 3 | Temple | 5 | 57 | 67 | 0 | 7 | 6 | National Third Place |
| 1959 | 1 | DePaul | | 102 | 70 | 0 | 8 | 6 | Sweet Sixteen |
| | 1 | Cincinnati | 5 | 75 | 85 | 0 | 8 | 7 | Elite Eight |
| 1961 | 4 | Houston | | 75 | 64 | 0 | 9 | 7 | Sweet Sixteen |
| | 4 | Cincinnati | 2 | 64 | 69 | 0 | 9 | 8 | Elite Eight |
| 1964 | | Texas-El Paso | | 64 | 60 | 0 | 10 | 8 | Sweet Sixteen |
| | | Wichita State | 5 | 94 | 86 | 0 | 11 | 8 | Elite Eight |
| | | UCLA | 1 | 84 | 90 | 0 | 11 | 9 | National Semifinals |
| | | Michigan | 2 | 90 | 100 | 0 | 11 | 10 | National Third Place |
| 1968 | | Texas Christian | | 72 | 77 | 0 | 11 | 11 | Sweet Sixteen |
| | | Louisville | 9 | 63 | 93 | 0 | 11 | 12 | Regional Third Place II |
| 1970 | | New Mexico State | 5 | 66 | 70 | 0 | 11 | 13 | Sweet Sixteen |
| | | Houston | 12 | 107 | 98 | 0 | 12 | 13 | Regional Third Place II |
| 1972 | | Texas | | 66 | 55 | 0 | 13 | 13 | Sweet Sixteen |
| | | Louisville | 4 | 65 | 72 | 0 | 13 | 14 | Elite Eight |
| 1973 | 9 | Louisiana-Lafayette | 7 | 66 | 63 | 0 | 14 | 14 | Sweet Sixteen |
| | 9 | Memphis | 12 | 72 | 92 | 0 | 14 | 15 | Elite Eight |
| 1975 | 17 | Pennsylvania | 15 | 69 | 62 | 0 | 15 | 15 | Round of 32 |
| | 17 | Boston College | | 74 | 65 | 0 | 16 | 15 | Sweet Sixteen |
| | 17 | Syracuse | 20 | 87 | 95 | 1 | 16 | 16 | Elite Eight |
| 1977 | 16 | Providence | | 87 | 80 | 0 | 17 | 16 | Round of 32 |
| | 16 | Marquette | 7 | 66 | 67 | 0 | 17 | 17 | Sweet Sixteen |
| 1980 | | Arkansas | | 71 | 53 | 0 | 18 | 17 | Round of 64 |
| | | Louisville | 2 | 69 | 71 | 1 | 18 | 18 | Round of 32 |
| 1981 | | San Francisco | | 64 | 60 | 0 | 19 | 18 | Round of 64 |
| | | Oregon State | 2 | 50 | 48 | 0 | 20 | 18 | Round of 32 |
| | | Illinois | 19 | 57 | 52 | 0 | 21 | 18 | Sweet Sixteen |
| | | North Carolina | 6 | 68 | 82 | 0 | 21 | 19 | Elite Eight |
| 1982 | | Northern Illinois | | 77 | 68 | 0 | 22 | 19 | Round of 64 |
| | | Arkansas | 12 | 65 | 64 | 0 | 23 | 19 | Round of 32 |
| | | Boston College | | 65 | 69 | 0 | 23 | 20 | Sweet Sixteen |
| 1987 | | Georgia | | 82 | 79 | 1 | 24 | 20 | Round of 64 |
| | | Nevada-Las Vegas | 1 | 61 | 80 | 0 | 24 | 21 | Round of 32 |

| | | | | | | | | | |
|------|----|---------------------|----|----|----|---|----|----|---------------|
| 1988 | 20 | La Salle | | 66 | 53 | 0 | 25 | 21 | Round of 64 |
| | 20 | DePaul | | 66 | 58 | 0 | 26 | 21 | Round of 32 |
| | 20 | Purdue | 3 | 73 | 70 | 0 | 27 | 21 | Sweet Sixteen |
| | 20 | Kansas | | 58 | 71 | 0 | 27 | 22 | Elite Eight |
| 1989 | | Minnesota | | 75 | 86 | 0 | 27 | 23 | Round of 64 |
| 1990 | | Xavier, Ohio | 25 | 79 | 87 | 0 | 27 | 24 | Round of 64 |
| 1993 | | Tulane | | 53 | 55 | 0 | 27 | 25 | Round of 64 |
| 1996 | | New Mexico | 23 | 48 | 69 | 0 | 27 | 26 | Round of 64 |
| 2008 | | Southern California | | 80 | 67 | 0 | 28 | 26 | Round of 64 |
| | | Wisconsin | 6 | 55 | 72 | 0 | 28 | 27 | Round of 32 |

Missouri

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|-------------------|------|-------|-----------|----|----|----|------------------------|
| 1944 | | Utah | | 35 | 45 | 0 | 0 | 1 | Elite Eight |
| | | Pepperdine | | 61 | 46 | 0 | 1 | 1 | Regional Third Place I |
| 1976 | 14 | Washington | | 69 | 67 | 0 | 2 | 1 | Round of 32 |
| | 14 | Texas Tech | 16 | 86 | 75 | 0 | 3 | 1 | Sweet Sixteen |
| | 14 | Michigan | 9 | 88 | 95 | 0 | 3 | 2 | Elite Eight |
| 1978 | | Utah | 14 | 79 | 86 | 2 | 3 | 3 | Round of 32 |
| 1980 | 16 | San Jose State | | 61 | 51 | 0 | 4 | 3 | Round of 64 |
| | 16 | Notre Dame | 9 | 87 | 84 | 1 | 5 | 3 | Round of 32 |
| | 16 | Louisiana State | 3 | 63 | 68 | 0 | 5 | 4 | Sweet Sixteen |
| 1981 | | Lamar | | 67 | 71 | 0 | 5 | 5 | Round of 64 |
| 1982 | 5 | Marquette | | 73 | 69 | 0 | 6 | 5 | Round of 32 |
| | 5 | Houston | | 78 | 79 | 0 | 6 | 6 | Sweet Sixteen |
| 1983 | 10 | Iowa | | 63 | 77 | 0 | 6 | 7 | Round of 32 |
| 1986 | | UAB | | 64 | 66 | 0 | 6 | 8 | Round of 64 |
| 1987 | 14 | Xavier, Ohio | | 69 | 70 | 0 | 6 | 9 | Round of 64 |
| 1988 | | Rhode Island | | 80 | 87 | 0 | 6 | 10 | Round of 64 |
| 1989 | 6 | Creighton | | 85 | 69 | 0 | 7 | 10 | Round of 64 |
| | 6 | Texas | | 108 | 89 | 0 | 8 | 10 | Round of 32 |
| | 6 | Syracuse | 7 | 80 | 83 | 0 | 8 | 11 | Sweet Sixteen |
| 1990 | 11 | Northern Iowa | | 71 | 74 | 0 | 8 | 12 | Round of 64 |
| 1992 | 16 | West Virginia | | 89 | 78 | 0 | 9 | 12 | Round of 64 |
| | 16 | Seton Hall | 19 | 71 | 88 | 0 | 9 | 13 | Round of 32 |
| 1993 | | Temple | | 61 | 75 | 0 | 9 | 14 | Round of 64 |
| 1994 | 5 | Navy | | 76 | 53 | 0 | 10 | 14 | Round of 64 |
| | 5 | Wisconsin | | 109 | 96 | 0 | 11 | 14 | Round of 32 |
| | 5 | Syracuse | 15 | 98 | 88 | 1 | 12 | 14 | Sweet Sixteen |
| | 5 | Arizona | 9 | 72 | 92 | 0 | 12 | 15 | Elite Eight |
| 1995 | 23 | Indiana | | 65 | 60 | 0 | 13 | 15 | Round of 64 |
| | 23 | UCLA | 1 | 74 | 75 | 0 | 13 | 16 | Round of 32 |
| 1999 | | New Mexico | 25 | 59 | 61 | 0 | 13 | 17 | Round of 64 |
| 2000 | | North Carolina | | 70 | 84 | 0 | 13 | 18 | Round of 64 |
| 2001 | | Georgia | | 70 | 68 | 0 | 14 | 18 | Round of 64 |
| | | Duke | 1 | 81 | 94 | 0 | 14 | 19 | Round of 32 |
| 2002 | | Miami, Florida | 21 | 93 | 80 | 0 | 15 | 19 | Round of 64 |
| | | Ohio State | 14 | 83 | 67 | 0 | 16 | 19 | Round of 32 |
| | | UCLA | | 82 | 73 | 0 | 17 | 19 | Sweet Sixteen |
| | | Oklahoma | 3 | 75 | 81 | 0 | 17 | 20 | Elite Eight |
| 2003 | 24 | Southern Illinois | | 72 | 71 | 0 | 18 | 20 | Round of 64 |
| | 24 | Marquette | 9 | 92 | 101 | 1 | 18 | 21 | Round of 32 |
| 2009 | 9 | Cornell | | 78 | 59 | 0 | 19 | 21 | Round of 64 |
| | 9 | Marquette | 23 | 83 | 79 | 0 | 20 | 21 | Round of 32 |
| | 9 | Memphis | 3 | 102 | 91 | 0 | 21 | 21 | Sweet Sixteen |
| | 9 | Connecticut | 5 | 75 | 82 | 0 | 21 | 22 | Elite Eight |

Nebraska

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|-------------|-------------|------------------|-------------|--------------|------------------|-----------|----------|----------|--------------|
| 1986 | | Western Kentucky | | 59 | 67 | 0 | 0 | 1 | Round of 64 |
| 1991 | 11 | Xavier, Ohio | | 84 | 89 | 0 | 0 | 2 | Round of 64 |
| 1992 | | Connecticut | | 65 | 86 | 0 | 0 | 3 | Round of 64 |
| 1993 | | New Mexico State | 24 | 79 | 93 | 0 | 0 | 4 | Round of 64 |
| 1994 | 22 | Pennsylvania | | 80 | 90 | 0 | 0 | 5 | Round of 64 |
| 1998 | | Arkansas | 17 | 65 | 74 | 0 | 0 | 6 | Round of 64 |

Oklahoma

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|----------------------|------|-------|-----------|----|----|----|------------------------|
| 1939 | | Utah State | | 50 | 39 | 0 | 1 | 0 | Elite Eight |
| | | Oregon | | 37 | 55 | 0 | 1 | 1 | National Semifinals |
| 1943 | | Wyoming | | 50 | 53 | 0 | 1 | 2 | Elite Eight |
| | | Washington | | 48 | 43 | 0 | 2 | 2 | Regional Third Place I |
| 1947 | | Oregon State | | 56 | 54 | 0 | 3 | 2 | Elite Eight |
| | | Texas | | 55 | 54 | 0 | 4 | 2 | National Semifinals |
| | | Holy Cross | | 47 | 58 | 0 | 4 | 3 | National Championship |
| 1979 | 16 | Texas | | 90 | 76 | 0 | 5 | 3 | Round of 32 |
| | 16 | Indiana State | 1 | 72 | 93 | 0 | 5 | 4 | Sweet Sixteen |
| 1983 | | UAB | | 71 | 63 | 0 | 6 | 4 | Round of 64 |
| | | Indiana | 5 | 49 | 63 | 0 | 6 | 5 | Round of 32 |
| 1984 | 7 | Dayton | | 85 | 89 | 0 | 6 | 6 | Round of 32 |
| 1985 | 4 | North Carolina A&T | | 96 | 83 | 0 | 7 | 6 | Round of 64 |
| | 4 | Illinois State | | 75 | 69 | 0 | 8 | 6 | Round of 32 |
| | 4 | Louisiana Tech | 8 | 86 | 84 | 1 | 9 | 6 | Sweet Sixteen |
| | 4 | Memphis | 5 | 61 | 63 | 0 | 9 | 7 | Elite Eight |
| 1986 | 15 | Northeastern | | 80 | 74 | 0 | 10 | 7 | Round of 64 |
| | 15 | DePaul | | 69 | 74 | 0 | 10 | 8 | Round of 32 |
| 1987 | | Tulsa | | 74 | 69 | 0 | 11 | 8 | Round of 64 |
| | | Pittsburgh | 12 | 96 | 93 | 0 | 12 | 8 | Round of 32 |
| | | Iowa | 6 | 91 | 93 | 1 | 12 | 9 | Sweet Sixteen |
| 1988 | 4 | Chattanooga | | 94 | 66 | 0 | 13 | 9 | Round of 64 |
| | 4 | Auburn | | 107 | 87 | 0 | 14 | 9 | Round of 32 |
| | 4 | Louisville | | 108 | 98 | 0 | 15 | 9 | Sweet Sixteen |
| | 4 | Villanova | | 78 | 59 | 0 | 16 | 9 | Elite Eight |
| | 4 | Arizona | 2 | 86 | 78 | 0 | 17 | 9 | National Semifinals |
| | 4 | Kansas | | 79 | 83 | 0 | 17 | 10 | National Championship |
| 1989 | 4 | East Tennessee State | | 72 | 71 | 0 | 18 | 10 | Round of 64 |
| | 4 | Louisiana Tech | | 124 | 81 | 0 | 19 | 10 | Round of 32 |
| | 4 | Virginia | | 80 | 86 | 0 | 19 | 11 | Sweet Sixteen |
| 1990 | 1 | Towson | | 77 | 68 | 0 | 20 | 11 | Round of 64 |
| | 1 | North Carolina | | 77 | 79 | 0 | 20 | 12 | Round of 32 |
| 1992 | 23 | Louisiana-Lafayette | | 83 | 87 | 0 | 20 | 13 | Round of 64 |
| 1995 | 17 | Manhattan | | 67 | 77 | 0 | 20 | 14 | Round of 64 |
| 1996 | | Temple | | 43 | 61 | 0 | 20 | 15 | Round of 64 |
| 1997 | | Stanford | 21 | 67 | 80 | 0 | 20 | 16 | Round of 64 |
| 1998 | | Indiana | | 87 | 94 | 1 | 20 | 17 | Round of 64 |
| 1999 | | Arizona | 12 | 61 | 60 | 0 | 21 | 17 | Round of 64 |
| | | Charlotte | 24 | 85 | 72 | 0 | 22 | 17 | Round of 32 |
| | | Michigan State | 2 | 46 | 54 | 0 | 22 | 18 | Sweet Sixteen |
| 2000 | 12 | Winthrop | | 74 | 60 | 0 | 23 | 18 | Round of 64 |
| | 12 | Purdue | 25 | 62 | 66 | 0 | 23 | 19 | Round of 32 |
| 2001 | 13 | Indiana State | | 68 | 70 | 1 | 23 | 20 | Round of 64 |
| 2002 | 3 | Illinois-Chicago | | 71 | 63 | 0 | 24 | 20 | Round of 64 |
| | 3 | Xavier, Ohio | 22 | 78 | 65 | 0 | 25 | 20 | Round of 32 |

| | | | | | | | | | |
|------|----|----------------------------|----|----|----|---|----|----|---------------------|
| 2002 | 3 | Arizona | 7 | 88 | 67 | 0 | 26 | 20 | Sweet Sixteen |
| | 3 | Missouri | | 81 | 75 | 0 | 27 | 20 | Elite Eight |
| | 3 | Indiana | | 64 | 73 | 0 | 27 | 21 | National Semifinals |
| 2003 | 3 | South Carolina State | | 71 | 54 | 0 | 28 | 21 | Round of 64 |
| | 3 | California | | 74 | 65 | 0 | 29 | 21 | Round of 32 |
| | 3 | Butler | | 65 | 54 | 0 | 30 | 21 | Sweet Sixteen |
| | 3 | Syracuse | 13 | 47 | 63 | 0 | 30 | 22 | Elite Eight |
| 2005 | 17 | Niagara | | 84 | 67 | 0 | 31 | 22 | Round of 64 |
| | 17 | Utah | 18 | 58 | 67 | 0 | 31 | 23 | Round of 32 |
| 2006 | 24 | Wisconsin-Milwaukee | | 74 | 82 | 0 | 31 | 24 | Round of 64 |
| 2008 | | St. Joseph's, Pennsylvania | | 72 | 64 | 0 | 32 | 24 | Round of 64 |
| | | Louisville | 13 | 48 | 78 | 0 | 32 | 25 | Round of 32 |
| 2009 | 7 | Morgan State | | 82 | 54 | 0 | 33 | 25 | Round of 64 |
| | 7 | Michigan | | 73 | 63 | 0 | 34 | 25 | Round of 32 |
| | 7 | Syracuse | 13 | 84 | 71 | 0 | 35 | 25 | Sweet Sixteen |
| | 7 | North Carolina | 2 | 60 | 72 | 0 | 35 | 26 | Elite Eight |

Oklahoma State

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|----------------------|------|-------|-----------|----|----|----|-----------------------|
| 1945 | | Utah | | 62 | 37 | 0 | 1 | 0 | Elite Eight |
| | | Arkansas | | 68 | 41 | 0 | 2 | 0 | National Semifinals |
| | | New York | | 49 | 45 | 0 | 3 | 0 | National Championship |
| 1946 | | Baylor | | 44 | 29 | 0 | 4 | 0 | Elite Eight |
| | | California | | 52 | 35 | 0 | 5 | 0 | National Semifinals |
| | | North Carolina | | 43 | 40 | 0 | 6 | 0 | National Championship |
| 1949 | 2 | Wyoming | | 40 | 39 | 0 | 7 | 0 | Elite Eight |
| | 2 | Oregon State | | 55 | 30 | 0 | 8 | 0 | National Semifinals |
| | 2 | Kentucky | 1 | 36 | 46 | 0 | 8 | 1 | National Championship |
| 1951 | 2 | Montana State | | 50 | 46 | 0 | 9 | 1 | Sweet Sixteen |
| | 2 | Washington | 15 | 61 | 57 | 0 | 10 | 1 | Elite Eight |
| | 2 | Kansas State | 4 | 44 | 68 | 0 | 10 | 2 | National Semifinals |
| | 2 | Illinois | 5 | 46 | 61 | 0 | 10 | 3 | National Third Place |
| 1953 | 7 | Texas Christian | | 71 | 54 | 0 | 11 | 3 | Sweet Sixteen |
| | 7 | Kansas | 6 | 55 | 61 | 0 | 11 | 4 | Elite Eight |
| 1954 | 5 | Rice | | 51 | 45 | 0 | 12 | 4 | Sweet Sixteen |
| | 5 | Bradley | | 57 | 71 | 0 | 12 | 5 | Elite Eight |
| 1958 | 19 | Loyola, Louisiana | | 59 | 42 | 0 | 13 | 5 | Round of 32 |
| | 19 | Arkansas | | 65 | 40 | 0 | 14 | 5 | Sweet Sixteen |
| | 19 | Kansas State | 3 | 57 | 69 | 0 | 14 | 6 | Elite Eight |
| 1965 | | Houston | | 75 | 60 | 0 | 15 | 6 | Sweet Sixteen |
| | | Wichita State | | 46 | 54 | 0 | 15 | 7 | Elite Eight |
| 1983 | 19 | Princeton | | 53 | 56 | 0 | 15 | 8 | Round of 64 |
| 1991 | 14 | New Mexico | | 67 | 54 | 0 | 16 | 8 | Round of 64 |
| | 14 | North Carolina State | | 73 | 64 | 0 | 17 | 8 | Round of 32 |
| | 14 | Temple | | 63 | 72 | 1 | 17 | 9 | Sweet Sixteen |
| 1992 | 11 | Georgia Southern | | 100 | 73 | 0 | 18 | 9 | Round of 64 |
| | 11 | Tulane | | 87 | 71 | 0 | 19 | 9 | Round of 32 |
| | 11 | Michigan | 15 | 72 | 75 | 0 | 19 | 10 | Sweet Sixteen |
| 1993 | 23 | Marquette | | 74 | 62 | 0 | 20 | 10 | Round of 64 |
| | 23 | Louisville | 15 | 63 | 78 | 0 | 20 | 11 | Round of 32 |
| 1994 | 19 | New Mexico State | | 65 | 55 | 0 | 21 | 11 | Round of 64 |
| | 19 | Tulsa | | 80 | 82 | 0 | 21 | 12 | Round of 32 |
| 1995 | 14 | Drexel | | 73 | 49 | 0 | 22 | 12 | Round of 64 |
| | 14 | Alabama | 20 | 66 | 52 | 0 | 23 | 12 | Round of 32 |
| | 14 | Wake Forest | 3 | 71 | 66 | 0 | 24 | 12 | Sweet Sixteen |
| | 14 | Massachusetts | 7 | 68 | 54 | 0 | 25 | 12 | Elite Eight |
| | 14 | UCLA | 1 | 61 | 74 | 0 | 25 | 13 | National Semifinals |
| 1998 | | George Washington | | 74 | 59 | 0 | 26 | 13 | Round of 64 |
| | | Duke | 3 | 73 | 79 | 0 | 26 | 14 | Round of 32 |
| 1999 | | Syracuse | | 69 | 61 | 0 | 27 | 14 | Round of 64 |
| | | Auburn | 4 | 74 | 81 | 0 | 27 | 15 | Round of 32 |
| 2000 | 14 | Hofstra | | 86 | 66 | 0 | 28 | 15 | Round of 64 |
| | 14 | Pepperdine | | 75 | 67 | 0 | 29 | 15 | Round of 32 |
| | 14 | Seton Hall | | 68 | 66 | 0 | 30 | 15 | Sweet Sixteen |

| | | | | | | | | | |
|------|----|----------------------------|----|----|----|---|----|----|---------------------|
| 2000 | 14 | Florida | 13 | 65 | 77 | 0 | 30 | 16 | Elite Eight |
| 2001 | | Southern California | | 54 | 69 | 0 | 30 | 17 | Round of 64 |
| 2002 | 20 | Kent State | | 61 | 69 | 0 | 30 | 18 | Round of 64 |
| 2003 | | Pennsylvania | | 77 | 63 | 0 | 31 | 18 | Round of 64 |
| | | Syracuse | 13 | 56 | 68 | 0 | 31 | 19 | Round of 32 |
| 2004 | 4 | Eastern Washington | | 75 | 56 | 0 | 32 | 19 | Round of 64 |
| | 4 | Memphis | 24 | 70 | 53 | 0 | 33 | 19 | Round of 32 |
| | 4 | Pittsburgh | 9 | 63 | 51 | 0 | 34 | 19 | Sweet Sixteen |
| | 4 | St. Joseph's, Pennsylvania | 5 | 64 | 62 | 0 | 35 | 19 | Elite Eight |
| | 4 | Georgia Tech | 14 | 65 | 67 | 0 | 35 | 20 | National Semifinals |
| 2005 | 6 | Southeastern Louisiana | | 63 | 50 | 0 | 36 | 20 | Round of 64 |
| | 6 | Southern Illinois | | 85 | 77 | 0 | 37 | 20 | Round of 32 |
| | 6 | Arizona | 9 | 78 | 79 | 0 | 37 | 21 | Sweet Sixteen |
| 2009 | | Tennessee | | 77 | 75 | 0 | 38 | 21 | Round of 64 |
| | | Pittsburgh | 4 | 76 | 84 | 0 | 38 | 22 | Round of 32 |

Texas

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|--------------------------|------|-------|-----------|----|----|----|-------------------------|
| 1939 | | Oregon | | 41 | 56 | 0 | 0 | 1 | Elite Eight |
| | | Utah State | | 49 | 51 | 0 | 0 | 2 | Regional Third Place I |
| 1943 | | Washington | | 59 | 55 | 0 | 1 | 2 | Elite Eight |
| | | Wyoming | | 54 | 58 | 0 | 1 | 3 | National Semifinals |
| 1947 | | Wyoming | | 42 | 40 | 0 | 2 | 3 | Elite Eight |
| | | Oklahoma | | 54 | 55 | 0 | 2 | 4 | National Semifinals |
| | | CCNY | | 54 | 50 | 0 | 3 | 4 | National Third Place |
| 1960 | | Kansas | | 81 | 90 | 0 | 3 | 5 | Sweet Sixteen |
| | | DePaul | | 61 | 67 | 0 | 3 | 6 | Regional Third Place II |
| 1963 | | Texas-El Paso | | 65 | 47 | 0 | 4 | 6 | Round of 32 |
| | | Cincinnati | 1 | 68 | 73 | 0 | 4 | 7 | Sweet Sixteen |
| | | Oklahoma City | | 90 | 83 | 0 | 5 | 7 | Regional Third Place II |
| 1972 | | Houston | | 85 | 74 | 0 | 6 | 7 | Round of 32 |
| | | Kansas State | | 55 | 66 | 0 | 6 | 8 | Sweet Sixteen |
| | | Louisiana-Lafayette | 8 | 70 | 100 | 0 | 6 | 9 | Regional Third Place II |
| 1974 | | Creighton | 19 | 61 | 77 | 0 | 6 | 10 | Round of 32 |
| 1979 | | Oklahoma | 16 | 76 | 90 | 0 | 6 | 11 | Round of 32 |
| 1989 | | Georgia Tech | | 76 | 70 | 0 | 7 | 11 | Round of 64 |
| | | Missouri | 6 | 89 | 108 | 0 | 7 | 12 | Round of 32 |
| 1990 | | Georgia | | 100 | 88 | 0 | 8 | 12 | Round of 64 |
| | | Purdue | 10 | 73 | 72 | 0 | 9 | 12 | Round of 32 |
| | | Xavier, Ohio | 25 | 102 | 89 | 0 | 10 | 12 | Sweet Sixteen |
| | | Arkansas | 7 | 85 | 88 | 0 | 10 | 13 | Elite Eight |
| 1991 | 23 | St. Peter's | | 73 | 65 | 0 | 11 | 13 | Round of 64 |
| | 23 | St. John's, New York | 20 | 76 | 84 | 0 | 11 | 14 | Round of 32 |
| 1992 | | Iowa | | 92 | 98 | 0 | 11 | 15 | Round of 64 |
| 1994 | 20 | Western Kentucky | | 91 | 77 | 0 | 12 | 15 | Round of 64 |
| | 20 | Michigan | 11 | 79 | 84 | 0 | 12 | 16 | Round of 32 |
| 1995 | | Oregon | | 90 | 73 | 0 | 13 | 16 | Round of 64 |
| | | Maryland | 10 | 68 | 82 | 0 | 13 | 17 | Round of 32 |
| 1996 | | Michigan | | 80 | 76 | 0 | 14 | 17 | Round of 64 |
| | | Wake Forest | 9 | 62 | 65 | 0 | 14 | 18 | Round of 32 |
| 1997 | | Wisconsin | | 71 | 58 | 0 | 15 | 18 | Round of 64 |
| | | Coppin State | | 82 | 81 | 0 | 16 | 18 | Round of 32 |
| | | Louisville | 25 | 63 | 78 | 0 | 16 | 19 | Sweet Sixteen |
| 1999 | | Purdue | | 54 | 58 | 0 | 16 | 20 | Round of 64 |
| 2000 | 15 | Indiana State | | 77 | 61 | 0 | 17 | 20 | Round of 64 |
| | 15 | Louisiana State | 10 | 67 | 72 | 0 | 17 | 21 | Round of 32 |
| 2001 | 18 | Temple | | 65 | 79 | 0 | 17 | 22 | Round of 64 |
| 2002 | | Boston College | | 70 | 57 | 0 | 18 | 22 | Round of 64 |
| | | Mississippi State | 17 | 68 | 64 | 0 | 19 | 22 | Round of 32 |
| | | Oregon | 11 | 70 | 72 | 0 | 19 | 23 | Sweet Sixteen |
| 2003 | 5 | North Carolina-Asheville | | 82 | 61 | 0 | 20 | 23 | Round of 64 |
| | 5 | Purdue | | 77 | 67 | 0 | 21 | 23 | Round of 32 |
| | 5 | Connecticut | 23 | 82 | 78 | 0 | 22 | 23 | Sweet Sixteen |

| | | | | | | | | | |
|------|----|----------------------|----|----|----|---|----|----|---------------------|
| 2003 | 5 | Michigan State | | 85 | 76 | 0 | 23 | 23 | Elite Eight |
| | 5 | Syracuse | 13 | 84 | 95 | 0 | 23 | 24 | National Semifinals |
| 2004 | 12 | Princeton | | 66 | 49 | 0 | 24 | 24 | Round of 64 |
| | 12 | North Carolina | 18 | 78 | 75 | 0 | 25 | 24 | Round of 32 |
| | 12 | Xavier, Ohio | | 71 | 79 | 0 | 25 | 25 | Sweet Sixteen |
| 2005 | | Nevada | | 57 | 61 | 0 | 25 | 26 | Round of 64 |
| 2006 | 9 | Pennsylvania | | 60 | 52 | 0 | 26 | 26 | Round of 64 |
| | 9 | North Carolina State | | 75 | 54 | 0 | 27 | 26 | Round of 32 |
| | 9 | West Virginia | 22 | 74 | 71 | 0 | 28 | 26 | Sweet Sixteen |
| | 9 | Louisiana State | 19 | 60 | 70 | 1 | 28 | 27 | Elite Eight |
| 2007 | 11 | New Mexico State | | 79 | 67 | 0 | 29 | 27 | Round of 64 |
| | 11 | Southern California | 23 | 68 | 87 | 0 | 29 | 28 | Round of 32 |
| 2008 | 7 | Austin Peay | | 74 | 54 | 0 | 30 | 28 | Round of 64 |
| | 7 | Miami, Florida | | 75 | 72 | 0 | 31 | 28 | Round of 32 |
| | 7 | Stanford | 10 | 82 | 62 | 0 | 32 | 28 | Sweet Sixteen |
| | 7 | Memphis | 2 | 67 | 85 | 0 | 32 | 29 | Elite Eight |
| 2009 | | Minnesota | | 76 | 62 | 0 | 33 | 29 | Round of 64 |
| | | Duke | 6 | 69 | 74 | 0 | 33 | 30 | Round of 32 |

Texas A&M

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|-----------------|------|-------|-----------|----|---|----|-------------------------|
| 1951 | | Washington | 15 | 40 | 62 | 0 | 0 | 1 | Sweet Sixteen |
| 1964 | | Texas-El Paso | | 62 | 68 | 0 | 0 | 2 | Round of 32 |
| 1969 | | Trinity, Texas | | 81 | 66 | 0 | 1 | 2 | Round of 32 |
| | | Drake | 11 | 63 | 81 | 0 | 1 | 3 | Sweet Sixteen |
| | | Colorado | 18 | 82 | 97 | 0 | 1 | 4 | Regional Third Place II |
| 1975 | | Cincinnati | 12 | 79 | 87 | 0 | 1 | 5 | Round of 32 |
| 1980 | | Bradley | | 55 | 53 | 0 | 2 | 5 | Round of 64 |
| | | North Carolina | 15 | 78 | 61 | 2 | 3 | 5 | Round of 32 |
| | | Louisville | 2 | 55 | 66 | 1 | 3 | 6 | Sweet Sixteen |
| 1987 | | Duke | 17 | 51 | 58 | 0 | 3 | 7 | Round of 64 |
| 2006 | | Syracuse | 21 | 66 | 58 | 0 | 4 | 7 | Round of 64 |
| | | Louisiana State | 19 | 57 | 58 | 0 | 4 | 8 | Round of 32 |
| 2007 | 9 | Pennsylvania | | 68 | 52 | 0 | 5 | 8 | Round of 64 |
| | 9 | Louisville | 16 | 72 | 69 | 0 | 6 | 8 | Round of 32 |
| | 9 | Memphis | 5 | 64 | 65 | 0 | 6 | 9 | Sweet Sixteen |
| 2008 | | Brigham Young | | 67 | 62 | 0 | 7 | 9 | Round of 64 |
| | | UCLA | 3 | 49 | 53 | 0 | 7 | 10 | Round of 32 |
| 2009 | | Brigham Young | | 79 | 66 | 0 | 8 | 10 | Round of 64 |
| | | Connecticut | 5 | 66 | 92 | 0 | 8 | 11 | Round of 32 |

Texas Tech

| Year | Rank | Opponent | Rank | Score | Opp Score | OT | W | L | Round |
|------|------|----------------------------|------|-------|-----------|----|---|----|-------------------------|
| 1954 | | Santa Clara | | 64 | 73 | 0 | 0 | 1 | Round of 32 |
| 1956 | | Southern Methodist | 7 | 67 | 68 | 0 | 0 | 2 | Round of 32 |
| 1961 | 12 | Cincinnati | 2 | 55 | 78 | 0 | 0 | 3 | Sweet Sixteen |
| | 12 | Houston | | 69 | 67 | 0 | 1 | 3 | Regional Third Place II |
| 1962 | | Air Force | | 68 | 66 | 0 | 2 | 3 | Round of 32 |
| | | Colorado | 9 | 60 | 67 | 0 | 2 | 4 | Sweet Sixteen |
| | | Creighton | | 61 | 63 | 0 | 2 | 5 | Regional Third Place II |
| 1973 | | South Carolina | | 70 | 78 | 0 | 2 | 6 | Round of 32 |
| 1976 | 16 | Syracuse | | 69 | 56 | 0 | 3 | 6 | Round of 32 |
| | 16 | Missouri | 14 | 75 | 86 | 0 | 3 | 7 | Sweet Sixteen |
| 1985 | 17 | Boston College | | 53 | 55 | 0 | 3 | 8 | Round of 64 |
| 1986 | | Georgetown | 13 | 64 | 70 | 0 | 3 | 9 | Round of 64 |
| 1993 | | St. John's, New York | | 67 | 85 | 0 | 3 | 10 | Round of 64 |
| 1996 | 8 | Northern Illinois | | 74 | 73 | 0 | 4 | 10 | Round of 64 |
| | 8 | North Carolina | 25 | 92 | 73 | 0 | 5 | 10 | Round of 32 |
| | 8 | Georgetown | 4 | 90 | 98 | 0 | 5 | 11 | Sweet Sixteen |
| 2002 | | Southern Illinois | | 68 | 76 | 0 | 5 | 12 | Round of 64 |
| 2004 | | Charlotte | | 76 | 73 | 0 | 6 | 12 | Round of 64 |
| | | St. Joseph's, Pennsylvania | 5 | 65 | 70 | 0 | 6 | 13 | Round of 32 |
| 2005 | 24 | UCLA | | 78 | 66 | 0 | 7 | 13 | Round of 64 |
| | 24 | Gonzaga | 10 | 71 | 69 | 0 | 8 | 13 | Round of 32 |
| | 24 | West Virginia | | 60 | 65 | 0 | 8 | 14 | Sweet Sixteen |
| 2007 | | Boston College | | 75 | 84 | 0 | 8 | 15 | Round of 64 |