

Season Free Throw Percentage Records (65%+)

| | Player | Pct | Made / Att <i>(50+ attempts)</i> | Year |
|----|-------------------|------------|--|-------------|
| 1 | Megan Boutin | 0.843 | 59 of 70 | 2007-08 |
| 2 | Kaylen Morrison | 0.836 | 56 of 67 | 2016-17 |
| 3 | J.J. Riehl | 0.824 | 145 of 176 | 1996-97 |
| 4 | J.J. Riehl | 0.823 | 51 of 62 | 1995-96 |
| 5 | Jessa Coleman | 0.818 | 72 of 88 | 2002-03 |
| 6 | Megan Boutin | 0.817 | 98 of 120 | 2006-07 |
| 7 | Sandi Bourland | 0.802 | 77 of 96 | 1993-94 |
| 8 | Madi Goff | 0.792 | 57 of 72 | 2004-05 |
| 9 | Jorey Schwartz | 0.788 | 52 of 66 | 1990-91 |
| 10 | J.J. Riehl | 0.779 | 113 of 145 | 1997-98 |
| 11 | Jisele Green | 0.778 | 91 of 117 | 2008-09 |
| 12 | Cassie Louthan | 0.773 | 85 of 110 | 2017-18 |
| 13 | Megan Harrison | 0.768 | 139 of 181 | 2004-05 |
| 14 | DeCreasha Goodner | 0.758 | 179 of 236 | 2005-06 |
| 15 | Christyn Schumann | 0.743 | 107 of 144 | 2001-02 |
| | Cassie Louthan | 0.743 | 55 of 74 | 2016-17 |
| 17 | Alaina Huslig | 0.742 | 92 of 124 | 2013-14 |
| 18 | Brandice Farmer | 0.732 | 188 of 257 | 1998-99 |
| 19 | Madi Goff | 0.729 | 51 of 70 | 2003-04 |
| 20 | Angela Pierce | 0.726 | 90 of 124 | 2007-08 |
| 21 | J. J. Risien | 0.722 | 114 of 158 | 2002-03 |
| 22 | DeCreasha Goodner | 0.720 | 172 of 239 | 2004-05 |
| 23 | Amanda O'Banan | 0.716 | 111 of 155 | 2015-16 |
| 24 | Kimberley Vaughan | 0.714 | 40 of 56 | 2000-01 |
| | Cheryl Kurhajec | 0.714 | 50 of 70 | 2011-12 |
| 26 | Jisele Green | 0.710 | 110 of 155 | 2009-10 |
| 27 | Kline Stafford | 0.708 | 51 of 72 | 2018-19 |
| 28 | Jenny Hill | 0.705 | 55 of 78 | 2006-07 |
| | Sarah Bullock | 0.705 | 67 of 95 | 2007-08 |
| 30 | Jorey Schwartz | 0.701 | 54 of 77 | 1989-90 |
| 31 | Kennedy Donovan | 0.700 | 91 of 130 | 2018-19 |
| 32 | Chase Jebousek | 0.696 | 135 of 194 | 1999-00 |
| 33 | Kim Vaughan | 0.694 | 86 of 124 | 1999-00 |
| 34 | Brandice Farmer | 0.693 | 79 of 114 | 1996-97 |
| 35 | Amber Cook | 0.686 | 35 of 51 | 1997-98 |
| | Kaylen Morrison | 0.686 | 35 of 51 | 2015-16 |
| 37 | Becky Shelton | 0.684 | 208 of 304 | 1958-59 |
| | Jessica Risien | 0.684 | 54 of 79 | 2005-06 |
| 39 | Madison Steele | 0.683 | 95 of 139 | 2012-13 |
| 40 | Madison Steele | 0.682 | 88 of 129 | 2011-12 |
| 41 | Amanda Kuykendall | 0.679 | 36 of 53 | 1996-97 |
| | Morgan Passino | 0.679 | 76 of 112 | 2007-08 |
| | Sarah Bullock | 0.679 | 72 of 106 | 2008-09 |
| | Ally Beck | 0.679 | 36 of 52 | 2018-19 |
| 45 | Jenna Beyer | 0.677 | 44 of 65 | 2007-08 |
| | Alyssa Collier | 0.677 | 42 of 62 | 2010-11 |
| 47 | Colie Edmondson | 0.676 | 50 of 74 | 1994-95 |

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|----|-------------------|-------|------------|---------|
| 48 | Meredith Johnson | 0.675 | 108 of 160 | 1991-92 |
| | Avery Johnson | 0.675 | 77 of 114 | 2019-20 |
| 50 | Jisele Green | 0.674 | 58 of 86 | 2007-08 |
| 51 | Meagan Stewart | 0.673 | 35 of 52 | 2002-03 |
| 52 | LeeAnn Martin | 0.670 | 59 of 88 | 1991-92 |
| 53 | J.J. Riehl | 0.667 | 64 of 96 | 1994-95 |
| | Brandice Farmer | 0.667 | 86 of 129 | 1997-98 |
| 55 | Colie Edmondson | 0.665 | 127 of 191 | 1996-97 |
| 56 | J.J. Risien | 0.663 | 65 of 98 | 2000-01 |
| 57 | Cheryl Kurhajec | 0.662 | 51 of 77 | 2012-13 |
| 58 | Dawn Franklin | 0.660 | 35 of 53 | 1995-96 |
| | Bailey Johnson | 0.660 | 33 of 50 | 2011-12 |
| 60 | Paula Fletcher | 0.659 | 147 of 223 | 1990-91 |
| 61 | Cherry Needham | 0.657 | 92 of 140 | 1967-68 |
| | Debra Spillar | 0.657 | 348 of 530 | 1969-70 |
| 63 | Hailey Bode | 0.656 | 40 of 61 | 2012-13 |
| | Cassie Louthan | 0.656 | 61 of 93 | 2014-15 |
| 65 | Julia Graham | 0.654 | 34 of 52 | 2017-18 |
| 66 | Donna Pittman | 0.653 | 264 of 404 | 1968-69 |
| | Kristen Wood | 0.653 | 64 of 98 | 1988-89 |
| | DeCreasha Goodner | 0.653 | 130 of 199 | 2003-04 |
| 69 | Brooke Bradley | 0.652 | 60 of 92 | 2015-16 |
| 70 | Alaina Huslig | 0.650 | 39 of 60 | 2012-13 |

Career Free Throw Percentage Records (60%+)

| | Player | Pct | Made / Att (150+ attempts) | Years |
|----|-------------------|-------|-------------------------------|---------|
| 1 | Megan Boutin | 0.815 | 189 of 232 | 2004-08 |
| 2 | J.J. Riehl | 0.779 | 373 of 479 | 1994-98 |
| 3 | Madi Goff | 0.745 | 117 of 157 | 2001-05 |
| 4 | Sandi Bourland | 0.736 | 131 of 178 | 1991-94 |
| 5 | Jisele Green | 0.723 | 259 of 358 | 2007-10 |
| 6 | DeCreasha Goodner | 0.714 | 481 of 674 | 2003-06 |
| 7 | Jorey Schwartz | 0.707 | 135 of 191 | 1988-91 |
| | Jessa Coleman | 0.707 | 128 of 181 | 2000-03 |
| 9 | Cassie Louthan | 0.700 | 208 of 297 | 2014-18 |
| 10 | Brandice Farmer | 0.691 | 380 of 550 | 1995-99 |
| | Kimberley Vaughan | 0.691 | 143 of 209 | 1998-01 |
| 12 | Jenny Hill | 0.673 | 115 of 171 | 2003-07 |
| 13 | Cheryl Kurhajec | 0.669 | 101 of 151 | 2009-13 |
| 14 | Chase Jebousek | 0.662 | 196 of 296 | 1998-00 |
| 15 | Angela Pierce | 0.659 | 170 of 258 | 2004-08 |
| | Amanda O'Banan | 0.659 | 255 of 387 | 2012-16 |
| 17 | Colie Edmondson | 0.654 | 251 of 384 | 1994-97 |
| 18 | Kennedy Donovan | 0.653 | 98 of 150 | 2017-19 |
| 19 | Christyn Schumann | 0.649 | 220 of 339 | 1999-02 |
| | J.J. Risien | 0.649 | 347 of 535 | 1999-03 |
| | Megan Harrison | 0.649 | 335 of 516 | 2001-05 |
| 22 | Debra Spillar | 0.644 | 687 of 1067 | 1967-71 |
| 23 | Madison Steele | 0.636 | 211 of 332 | 2010-13 |

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|----|----------------|-------|------------|---------|
| 24 | Paula Fletcher | 0.634 | 331 of 522 | 1988-91 |
| 25 | Morgan Passino | 0.629 | 107 of 170 | 2005-08 |
| 26 | LeeAnn Martin | 0.627 | 94 of 150 | 1989-92 |
| | Jessica Risien | 0.627 | 104 of 166 | 2003-06 |
| 28 | Meagan Stewart | 0.604 | 116 of 192 | 2000-03 |