

Top 5 All-Time: Girls [Times and marks recorded prior to collegiate careers. Relay times are only for school teams during the season and will not include summer club teams comprised of athletes from multiple schools.]

| Event | Time/Mark | Name | School | Year |
|----------------|-----------|-----------------------------|-------------------------|------|
| 100 Meters | | | | |
| | 11.16 | Victoria Jordan | Fort Worth Dunbar | 2008 |
| | 11.21 | Tiffany Townsend | Killeen | 2007 |
| | 11.27 | Jasmine Montgomery | San Antonio Reagan | 2021 |
| | 11.28 | Sha'Carri Richardson | Dallas Carter | 2017 |
| | 11.33 | Autumn Wilson | St. Dominic Savio | 2022 |
| 200 Meters | | | | |
| | 22.84 | Tiffany Townsend | Killeen | 2007 |
| | 22.90 | Carlette Guidry | Houston Sterling | 1986 |
| | 22.94 | Lauren Lewis | Prosper | 2023 |
| | 23.06 | Tiriah Kelley | Plano East | 2022 |
| | 23.11 | Kenondra Davis | Fort Worth Trimble Tech | 2021 |
| [conv.] | 23.16y | Chryste Gaines | South Oak Cliff | 1988 |
| 400 Meters | | | | |
| | 51.17 | Lauren Lewis | Prosper | 2023 |
| | 51.96 | Brandi Cross | Fort Bend Marshall | 2006 |
| | 52.12 | Christine Mallard | Mansfield Legacy | 2022 |
| | 52.40 | Courtney Okolo | Carrollton Newman Smith | 2012 |
| | 52.49 | Jerrika Chapple | Lancaster | 2000 |
| 800 Meters | | | | |
| | 2:02.96 | Aaliyah Miller | McKinney Boyd | 2016 |
| | 2:03.32 | Raevyn Rogers | Houston Kinkaid | 2013 |
| | 2:04.70 | Bailey Goggans | Marble Falls | 2020 |
| | 2:05.61 | Isabel Conde de Frankenberg | Cedar Park | 2022 |
| | 2:05.64 | Julia Heymach | Houston Lamar | 2015 |
| 1600 Meters | | | | |
| [conv. 1 Mile] | 4:36.93 | Isabel Conde de Frankenberg | Cedar Park | 2022 |
| | 4:36.96 | Natalie Cook | Flower Mound | 2022 |
| [conv. 1 Mile] | 4:38.61 | Chelsey Sveinsson | Greenhill School | 2009 |
| [conv. 1 Mile] | 4:39.37 | Sophie Atkinson | Katy Cinco Ranch | 2021 |
| [conv. 1 Mile] | 4:39.68 | Julia Heymach | Houston Lamar | 2015 |
| [conv. 1 Mile] | 4:40.29 | Samantha Humphries | Flower Mound | 2023 |
| | 4:40.97 | Julia Heymach | Houston Lamar | 2015 |
| | 4:41.29 | Brynn Brown | Denton Guyer | 2021 |
| | 4:42.70 | Devin Clark | Smithson Valley | 2015 |
| | 4:42.82 | Sophie Atkinson | Katy Cinco Ranch | 2021 |
| 3200 Meters | | | | |
| [conv. 2 Mile] | 9:41.05i | Natalie Cook | Flower Mound | 2022 |
| [conv. 2 Mile] | 9:47.57i | Brynn Brown | Denton Guyer | 2021 |
| | 9:48.25 | Natalie Cook | Flower Mound | 2022 |
| [conv. 2 Mile] | 9:54.15 | Elizabeth Leachman | Boerne Champion | 2023 |
| | 9:58.58 | Brynn Brown | Denton Guyer | 2021 |

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|----------------|--------------|---|-----------------------|-------------|
| [conv. 2 Mile] | 9:59.79 | London Culbreath | McKinney North | 2018 |
| [conv. 2 Mile] | 10:01.34 | Chelsey Sveinsson | Greenhill School | 2009 |
| | 10:07.15 | Chelsey Sveinsson | Greenhill School | 2010 |
| | 10:07.90 | Kim Whitaker | New Braunfels | 1983 |
| | 10:09.21 | Sophie Atkinson | Katy Cinco Ranch | 2021 |
| | | | | |
| 100 Hurdles | | | | |
| | 12.93 | Alexis Duncan | DeSoto | 2016 |
| | 13.04 | Tonea Marshall | Arlington Seguin | 2016 |
| | 13.18 | Rylee Hampton | Houston Cypress Ridge | 2023 |
| | 13.23 | Ashlee Williams | Dallas Bishop Dunne | 2001 |
| | 13.25 | Alandra Sherman | Aldine Eisenhower | 2003 |
| | | | | |
| 300 Hurdles | | | | |
| | 40.63 | Sidney Green | Allen | 2023 |
| | 40.68 | Simone Ballard | Katy Mayde Creek | 2022 |
| | 40.81 | Samantha Gonzalez | Carrollton Creekview | 2015 |
| | 40.96 | Donique Flemings | Saginaw | 2008 |
| | 40.97 | Milan Young | Houston Lamar | 2017 |
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| 4x1 Relay | | | | |
| | 44.24 | Ja'Era Griffin, Jayla Hollis, Taylor Armstrong, Rosaline Effiong | DeSoto | 2019 |
| | 44.60 | Tara Thomas, Krystin Lacy, Chanelle Curry, Jazmin Greer | Dallas Skyline | 2004 |
| | 44.63 | Francheska Ketchum, Jamee Jones, Gloria Assumna, Chantelle Willard | Alief Elsik | 2003 |
| | 44.89 | Sydney Kim, Ibis David-West, Alyssa Tate, Haley Tate | Katy Seven Lakes | 2021 |
| | 44.94 | Taylor Blackshire, Le-Taija Jackson, Lyric Choice, Kaylor Harris | Mesquite Horn | 2017 |
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| 4x2 Relay | | | | |
| | 1:34.51 | Natalie Richie, Francheska Ketchum, Jamee Jones, Chantelle Willard | Alief Elsik | 2003 |
| | 1:34.60 | Nena Blue, Ashley Mitchell, Stephanie Durst, Melissa Abraham | Houston Westbury | 1998 |
| | 1:34.87 | Bryannia Murphy, Cierra Wash, Taylor Armstrong, Jada Laye | DeSoto | 2017 |
| | 1:35.05 | Dy'Mond Wiley, Arius Williams, Tynecia Singletary, Alexis Cokes | Duncanville | 2018 |

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|------------|-----------|---|---------------------------|--------------|
| | 1:35.14 | Amaya Kennison-Jenkins, Mackenzie Collins, Sydney Bryant, Nia Parks | Alvin Shadow Creek | 2022 |
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| 4x4 Relay | | | | |
| | 3:37.85 | Jalese Moore, Rosaline Effiong, Cierra Wash, Bryannia Murphy | DeSoto | 2017 |
| | 3:38.35 | Krystin Lacy, Jennifer Hunt, Ashley Harvey, Shatara Taylor | Dallas Skyline | 2003 |
| | 3:38.52 | Cyne Wardsworth, Candyce Cross, Carmen Mitchell, Brandi Cross | Fort Bend Marshall | 2005 |
| | 3:38.85 | Jyria Smith, Tyler Rose, Evette Blanks, Birexus Hawkins | Fort Bend Hightower | 2016 |
| | 3:39.00 | Dy'Mond Wiley, Payge Side, Tynecia Singletary, Arius Williams | Duncanville | 2018 |
| | | | | |
| 4x8 Relays | | | | |
| | 8:55.80 | Nicole Humphries, Samantha Humphries, Alexandra Fox, Abbey Coberly | Flower Mound | 2023 |
| | 9:08.35 | Sarah Willson, Meredith Wolfe, Ivy Parada, Lily Horvath | Round Rock | 2023 |
| | 9:11.17 | Maddy Reed, Quinn Owen, Ashton Hutcherson, Ryan Gossett | Marcus | 2016 |
| | 9:11.18 | Tyquita Jones, Nicki Cobler, Courtney Carter, Londa Bevins | Mesquite | 1999 |
| | 9:11.53 | Nia Allison, Destinee Davis, Simone Savage, Elizabeth Brooks | Katy | 2023 |
| | | | | |
| High Jump | | | | |
| | 6-04.00 | Amy Acuff | Corpus Christi Calallen | 1993 |
| | 6-02.75 | Erin Aldrich | Lake Highlands | 1996 |
| | 6-02.00 | Ineka McPherson | Port Arthur Memorial | 2005 |
| | 6-01.50 | Jolanda Jones Leigh Anne Crews | Alief Elsik Woodsboro | 1984 1989 |
| | 6-01.25 | Shanay Briscoe | Houston Cypress Christian | 2008 |
| | | | | |
| Long Jump | | | | |
| | 21-03.25i | Samiyah Samuels | Cypress Springs | 2016 |
| | 21-03.25 | Ychlindria Spears | Luling | 2001 |
| | 21-02.75 | Kynneddy Flannel | Alvin | 2017 |
| | 21-01.25 | Meledy Smith | Houston Sterling | 1982 |

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|-------------|---------------|-----------------------|-------------------------|-------------|
| | 21-0.75 | Carlette Guidry | Houston Sterling | 1986 |
| | 20-11.75 | Jasmine Moore | Mansfield Lake Ridge | 2018 |
| | 20-11.75i | India Alix | Klein | 2022 |
| | | | | |
| Triple Jump | | | | |
| | 44-10.00 | Jasmine Moore | Mansfield Lake Ridge | 2019 |
| | 44-02.25 | Ychlindria Spears | Luling | 2001 |
| | 44-01.25 | Erica McLain | Plano East | 2004 |
| | 43-06.50i | Skylynn Townsend | Prosper Rock Hill | 2023 |
| | 43-02.25i | Asa Garcia | Texas City | 2015 |
| | 42-11.75 | Twylana Harrison | Levelland | 1991 |
| | 42-09.75 | Jennifer Madu | Plano East | 2012 |
| | | | | |
| Pole Vault | | | | |
| | 14-07.25 | Desiree Freier | Justin Northwest | 2014 |
| | 14-06.00 | Molly Haywood | Tomball Memorial | 2023 |
| | 14-03.00 | Olivia Lueking | Clear Creek | 2021 |
| | 14-02.00 | Alencia Lentz | Comal Canyon Lake | 2023 |
| | 14-01.00 | Sky Schuller | Coppell | 2023 |
| | | | | |
| Disc | | | | |
| | 198-09 | Shelbi Vaughan | Mansfield Legacy | 2012 |
| | 195-10 | Emma Sralla | Lewisville Marcus | 2023 |
| | 182-04 | Madeleine Fey | Midlothian | 2023 |
| | 175-01 | Zada Swoopes | Whitewright | 2017 |
| | 173-07 | Amelia Flynt | Katy Cinco Ranch | 2021 |
| | | | | |
| Shot Put | | | | |
| | 54-10.75 | Michelle Carter | Red Oak | 2003 |
| | 53-02.25 | Carlie Weiser | Giddings | 2023 |
| | 52-11.50 | Stevanie Wadsworth | L.D. Bell | 1990 |
| | 51-06.50 | Haley Teel | Gregory-Portland | 2014 |
| | 51-04.50 | Nekia Jones | Beaumont Ozen | 2013 |
| | | | | |
| Javelin | | | | |
| | 152-00.75 | Ashtin Zamzow | Goliad | 2014 |
| | 146-07 | Paris Kimble | Atascocita | 2023 |
| | 140-00 | Emily Wilson | St. Mary's Hall | 2018 |
| | 136-05 | Kaylah Shepherd | Fort Bend Clements | 2018 |
| | 134-03 | Katelyn Anderson | Katy Tompkins | 2017 |
| | | | | |
| Hammer | | | | |
| | 195-02 | Jennifer Dahlgren | Klein | 2002 |
| | 170-03 | Shelby Ashe | Port Isabel | 2010 |
| | 162-00 | Lauren St. Peters | Aledo | 2023 |
| | 143-10.75 | Amelia Flynt | Katy Cinco Ranch | 2019 |
| | 143-03 | Victoria Hernandez | El Paso Del Valle | 2017 |
| | | | | |
| 2K Steeple | | | | |
| | 6:52.75 | Margaret Thompson | Hockaday | 2023 |
| | 6:54.63 | Emily Cole | Klein | 2019 |
| | 6:56.77 | Adoette Vaughan | Hockaday | 2018 |

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| | 7:00.15 | Sara Morefield | Lucas Lovejoy | 2023 |
| | 7:01.54 | Macy Wingard | Denton Braswell | 2023 |
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| SMR | | | | |
| | 3:55.21 | Brooke Givens, Elon'a Jones, Jania Martin, London Culbreath | McKinney North | 2018 |
| | 3:55.74 | Whitney Harris, Kirsten Harris, Taura Gordon, Vickie Walker | A&M Consolidated | 2006 |
| | 3:56.54 | Vanessa Ugorji, Rachel Hall, Aliyah Carswell, Wonders Oguejiofor | Cypress Springs | 2018 |
| | 3:56.73 | Allison Warren, Nicole Ezeoke, Taryn Hankins, Quinn Owen | Lewisville Marcus | 2018 |
| | 3:57.96 | Amani Graham, Avery Allmer, Addison Simon, Isabel Conde de Frankenberg | Cedar Park | 2023 |
| | | | | |
| DMR | | | | |
| | 11:51.32 | Miranda Walker, Kristi Eveland, Brittney Alberto, Brooke Upshaw | Southlake Carroll | 2004 |
| | 11:52.98 | Kailey Littlefield, Mia Reaugh, Sara Morefield, Amy Morefield | Lucas Lovejoy | 2023 |
| | 11:53.31 | Shewaye Johnson, Lauren Lewis, Emily Kern, Aubrey O'Connell | Prosper | 2022 |
| | 11:55.13 | Samantha Shulhan, Kennedy Blackmon, Bianca Carroccio, Ashlyn Hillyard | Plano Senior | 2018 |
| | 11:57.49 | Hannah Bradley, Bridget Tobias, Quinn Owen, Maddy Reed | Lewisville Marcus | 2015 |
| | | | | |
| Heptathlon | | | | |
| | 5493 | Kendra Reimer | New Braunfels | 1998 |
| | 5376 | Abby Elmore | Gunter | 2023 |
| | 5365 | Diana Pickler | Rowlett | 2001 |
| | 5357 | Lauren Reimer | New Braunfels | 2001 |
| | 5338 | Julie Pickler | Rowlett | 2002 |

Bolded = National Record

*Sprint events = FAT + a wind gage reading of 2.0 or less.

*The top 5 in each event includes an athlete's top mark or time prior to starting one's collegiate eligibility, thus a post-season event qualifies. As well, an athlete is only listed once with his or her top time or mark.

*Marks and times have been culled from TXMileSplit, *Track & Field News*, Athletic.net, and Texas Track. The 1600 and 3200 include times converted from the Mile and 2-Mile respectively.
* Javelin, Steeple, SMR, DMR, and Decathlon/Heptathlon are non-scored events in Texas. SPC scores the 4x800.